

持山禁止

社会開発協力部

PORT MUHAMMAD - BIN - QASIM PROJECT

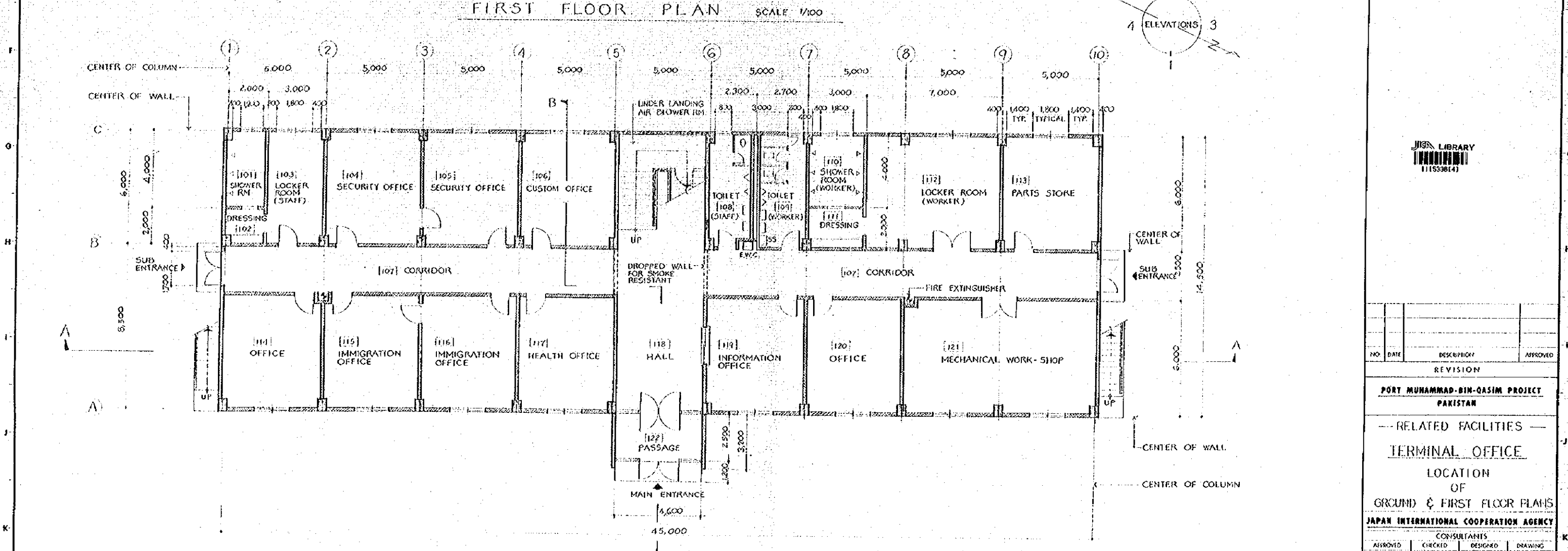
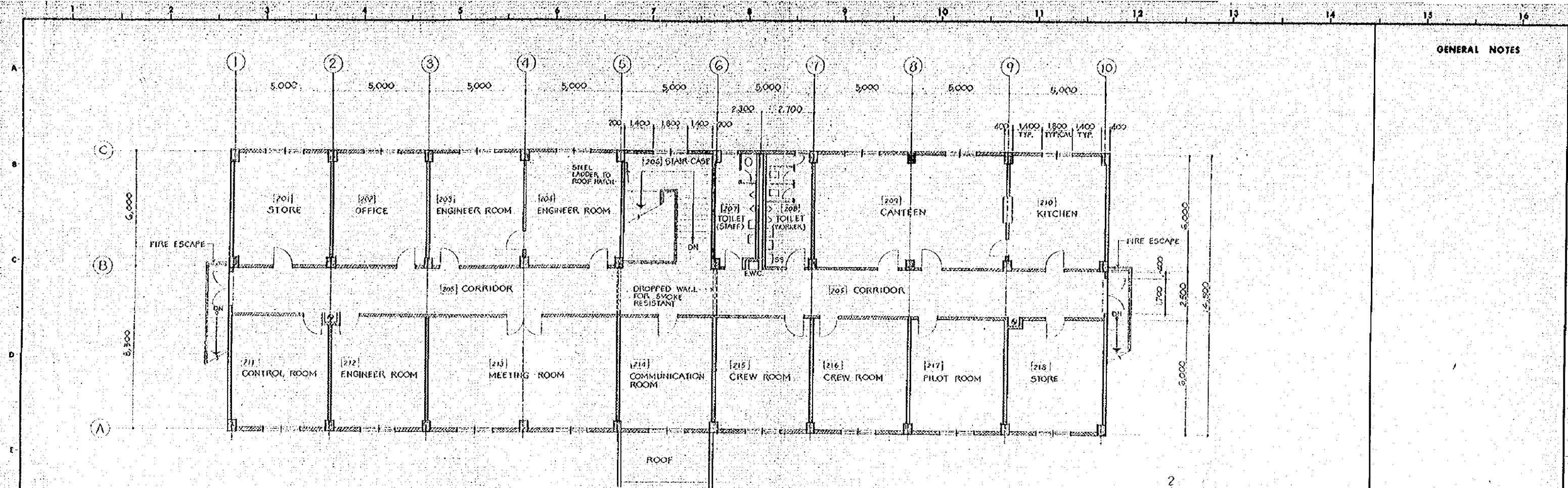
DETAILED DESIGN DRAWINGS

VOL. II FACILITIES RELATED TO IRON ORE & COAL BERTH

3. Building Complex

OCTOBER 1975

JAPAN INTERNATIONAL COOPERATION AGENCY



GENERAL NOTES



NO.	DATE	DESCRIPTION	APPROVED
REVISION			

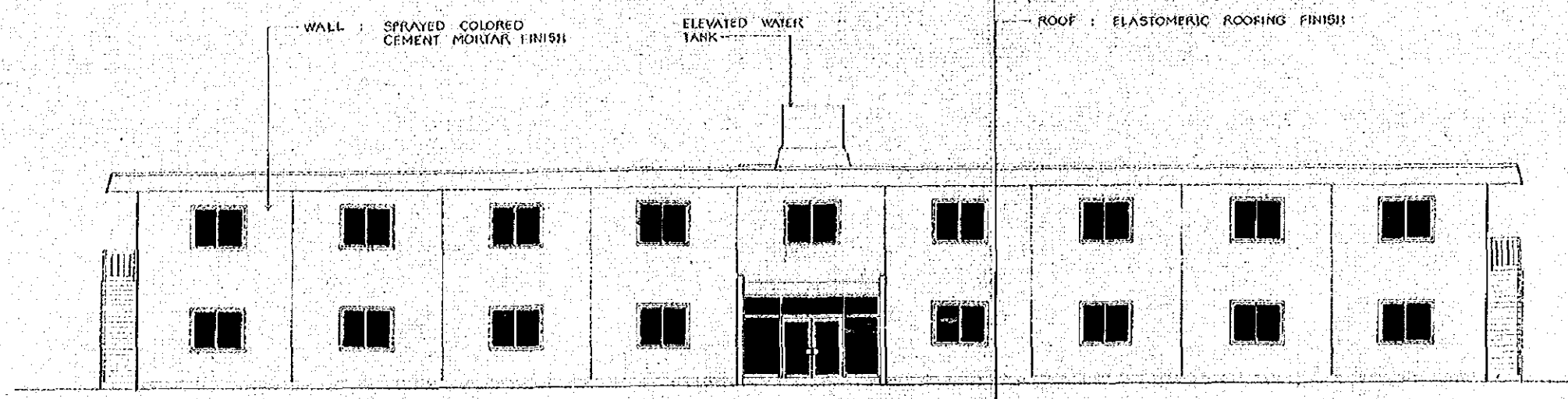
PORT MUNAMMAD-BIN-QASIM PROJECT
PAKISTAN

— RELATED FACILITIES —
TERMINAL OFFICE
LOCATION
OF
GROUND & FIRST FLOOR PLANS
JAPAN INTERNATIONAL COOPERATION AGENCY

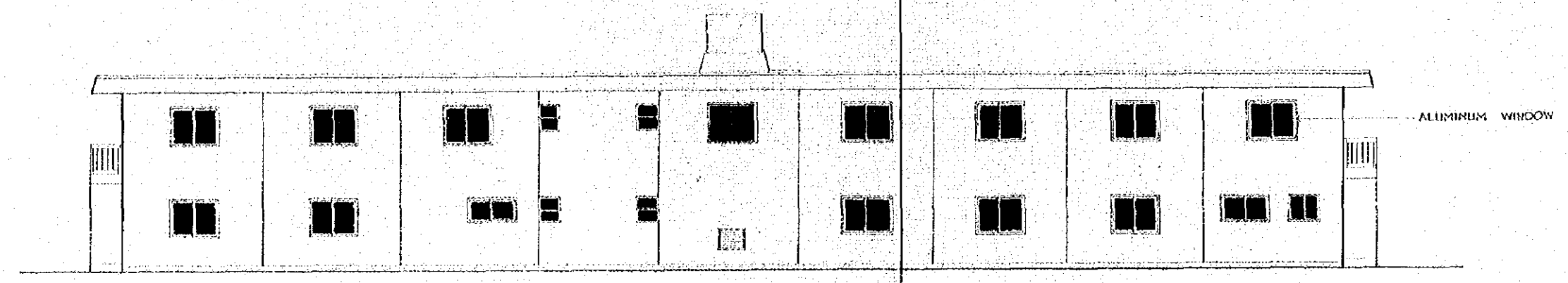
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. No.	
1 : 100			
DATE		DWG. NO. A-101	

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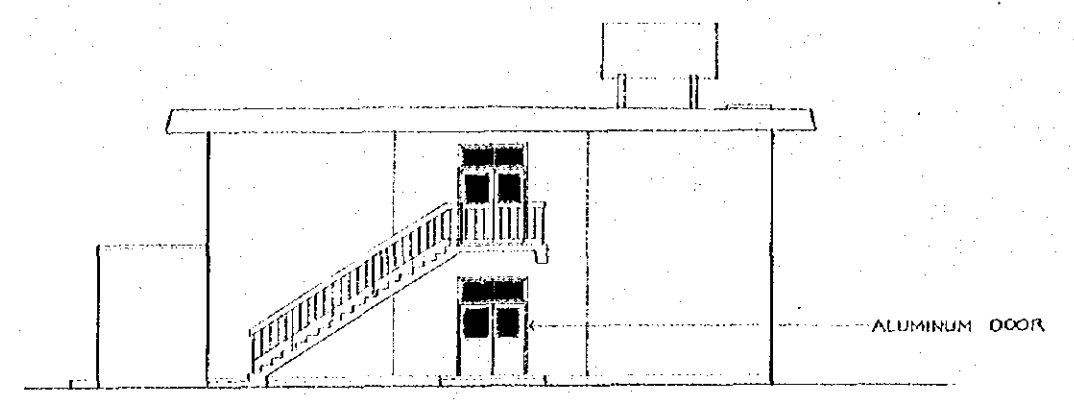
GENERAL NOTES



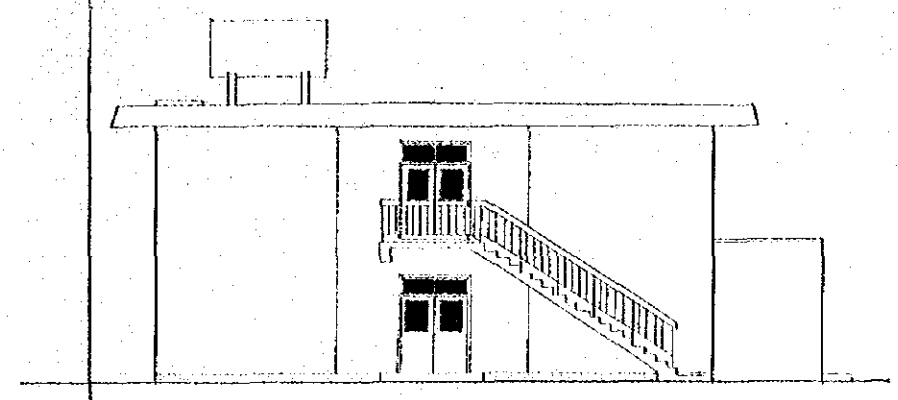
1 SIDE ELEVATION SCALE 1/100



2 SIDE ELEVATION SCALE 1/100



3 SIDE ELEVATION SCALE 1/100



4 SIDE ELEVATION SCALE 1/100

国際協力事業団
26665

NO.	DATE	DESCRIPTION	APPROVED

REVISION

PORT MUHAMMAD-BIN-QASIM PROJECT
PAKISTAN

--- RELATED FACILITIES ---
TERMINAL OFFICE
LOCATION
OF
ELEVATIONS

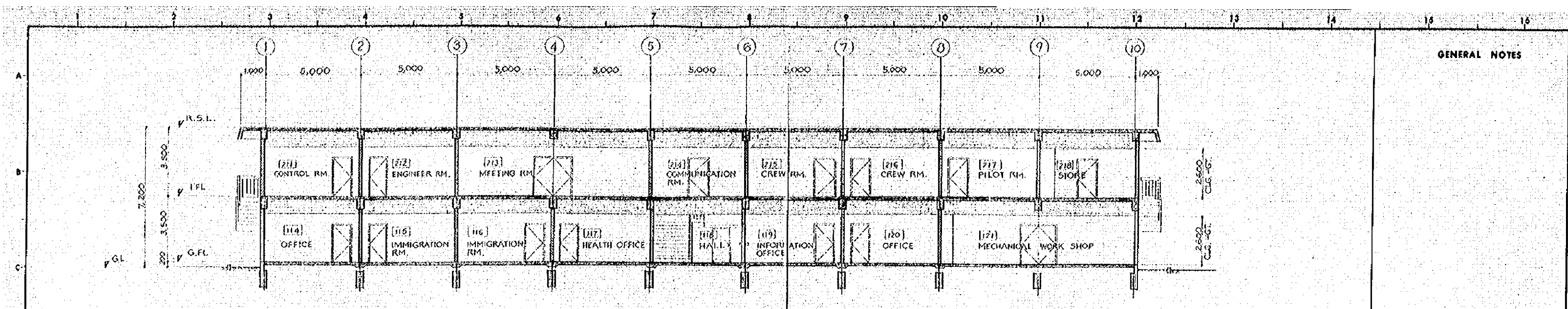
JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANTS

APPROVED	CHECKED	DESIGNED	DRAWING
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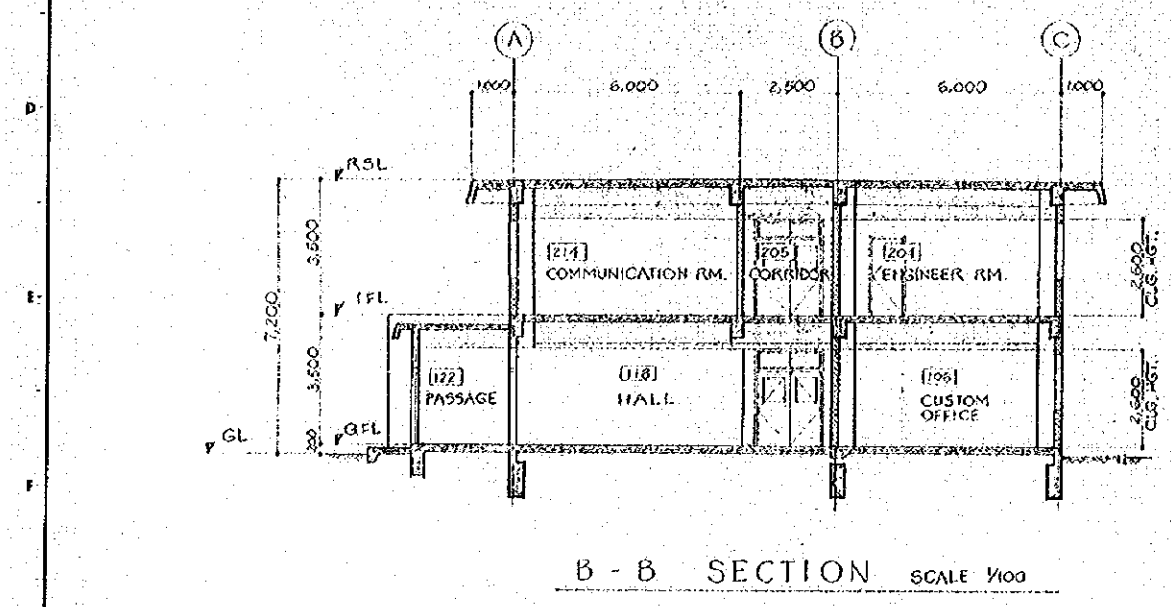
SCALE 1:100 REV. No.

DATE DWG. NO. A-102

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A - A SECTION SCALE 1/100



B - B SECTION SCALE 1/100

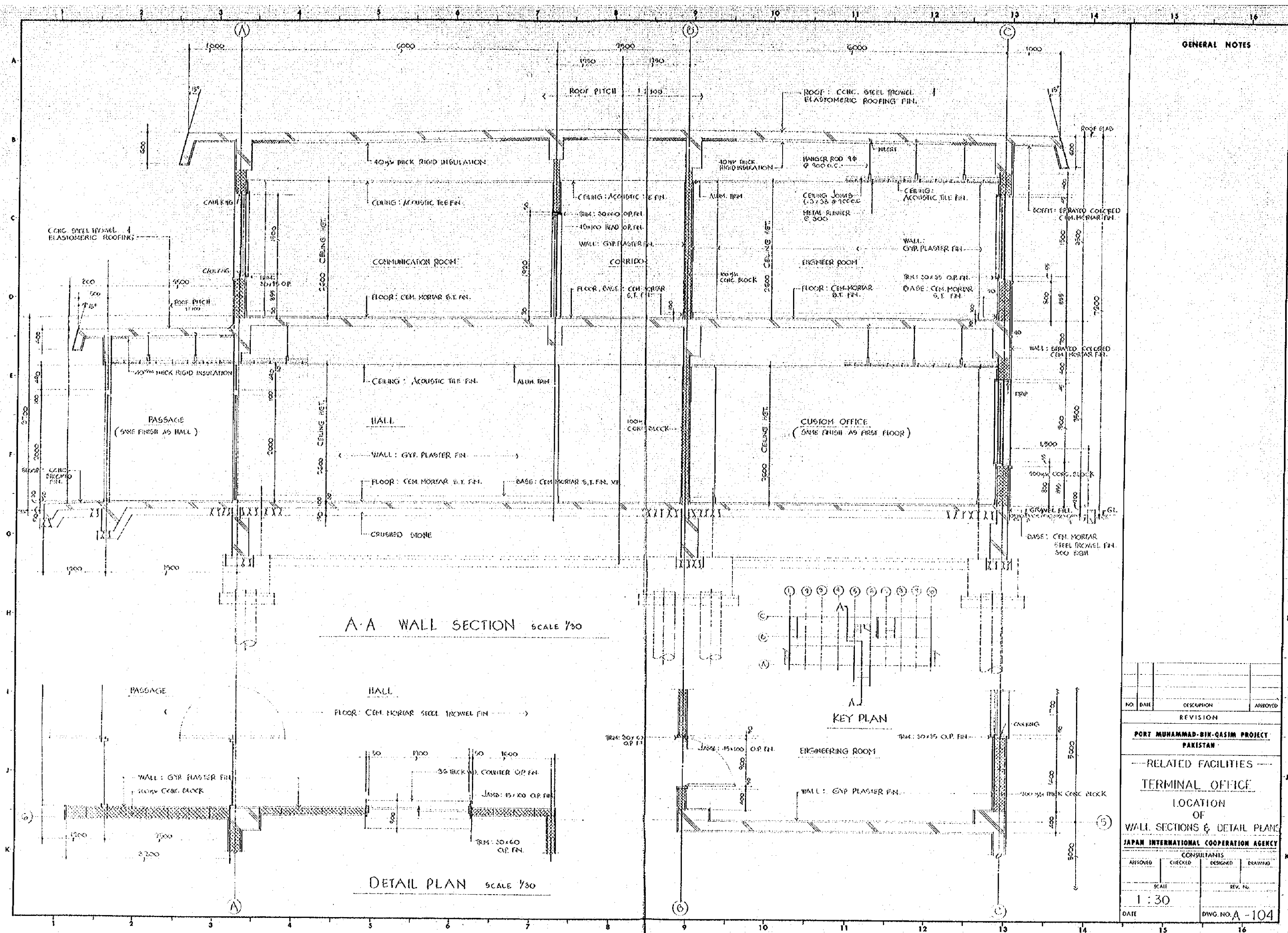
PART	MATERIAL	FINISH	REMARKS
ROOF	CONCRETE	ELASTOMERIC ROOFING FIN.	
WALL	CONCRETE & CONC. BLOCK	SPRAYED COLORED CEMENT MORTAR	
BASE	CONCRETE	CEMENT MORTAR STEEL TROWEL	
SOFFIT		SPRAYED COLORED CEMENT MORTAR	
STAIR		CEMENT MORTAR STEEL TROWEL W/NON-SLIP TILE	
WINDOW & DOOR	ALUMINIUM	MANUFACTURE FIN.	
HANDRAIL	STEEL	CL. PAINT	

RM. NO.	ROOM NAME	FLOOR			BASE			WAINSCOT			WALL			CEILING			REMARKS
		MAT.	FIN.	HGT.	MAT.	FIN.	HGT.	MAT.	FIN.	HGT.	MAT.	FIN.	HGT.	MAT.	FIN.	HGT.	
101	SHOWER ROOM	MOSAIC TILE	MANUFACT. FIN.									GLAZED CERAMIC TILE	MANUFACT. FIN.	A.C.B.	V.P.	2,600	
102	DRESSING	CEM. MORTAR	STEEL TROWEL	CEM. MORTAR	V.P.	100						GLAZED CERAMIC TILE	MANUFACT. FIN.	A.C.B.	V.P.		
103	LOCKER ROOM																
104	SECURITY OFFICE																
105	OFFICE																
106	CUSTOM OFFICE																
107	CORRIDOR																
108	TOILET	MOSAIC TILE	MANUFACT. FIN.									GLAZED CERAMIC TILE	MANUFACT. FIN.	A.C.B.	V.P.		
109	TOILET																
110	SHOWER ROOM																
111	DRESSING	CEM. MORTAR	STEEL TROWEL	CEM. MORTAR	V.P.	100						GYPSUM PLASTER	V.P.				
112	LOCKER ROOM																
113	PARTS STORE																
114	OFFICE																
115	IMMIGRATION OFFICE																
116	IMMIGRATION OFFICE																
117	HEALTH OFFICE																
118	HALL																
119	INFORMATION OFFICE																
120	OFFICE																
121	MECHANICAL WORK SHOP																
122	PASSAGE																

RM. NO.	ROOM NAME	FLOOR			BASE			WAINSCOT			WALL			CEILING			REMARKS
		MAT.	FIN.	HGT.	MAT.	FIN.	HGT.	MAT.	FIN.	HGT.	MAT.	FIN.	HGT.	MAT.	FIN.	HGT.	
201	STORE	CEM. MORTAR	STEEL TROWEL	CEM. MORTAR	V.P.	100											
202	OFFICE																
203	ENGINEER ROOM																
204	CORRIDOR																
205	CORRIDOR																
206	STAIR-CASE																
207	TOILET	MOSAIC TILE	MANUFACT. FIN.									GLAZED CERAMIC TILE	MANUFACT. FIN.	A.C.B.	V.P.		
208	TOILET																
209	CANTEEN	CEM. MORTAR	STEEL TROWEL	CEM. MORTAR	V.P.	100						GYPSUM PLASTER	V.P.				
210	KITCHEN	TERAZO TILE	MANUFACT. FIN.									GLAZED CERAMIC TILE	MANUFACT. FIN.	A.C.B.	V.P.		
211	CONTROL ROOM	CEM. MORTAR	STEEL TROWEL	CEM. MORTAR	V.P.	100						GYPSUM PLASTER	V.P.				
212	ENGINEER ROOM																
213	MEETING ROOM																
214	COMMUNICATION ROOM																
215	CREW ROOM																
216	CREW ROOM																
217	PILOT ROOM																
218	STORE																

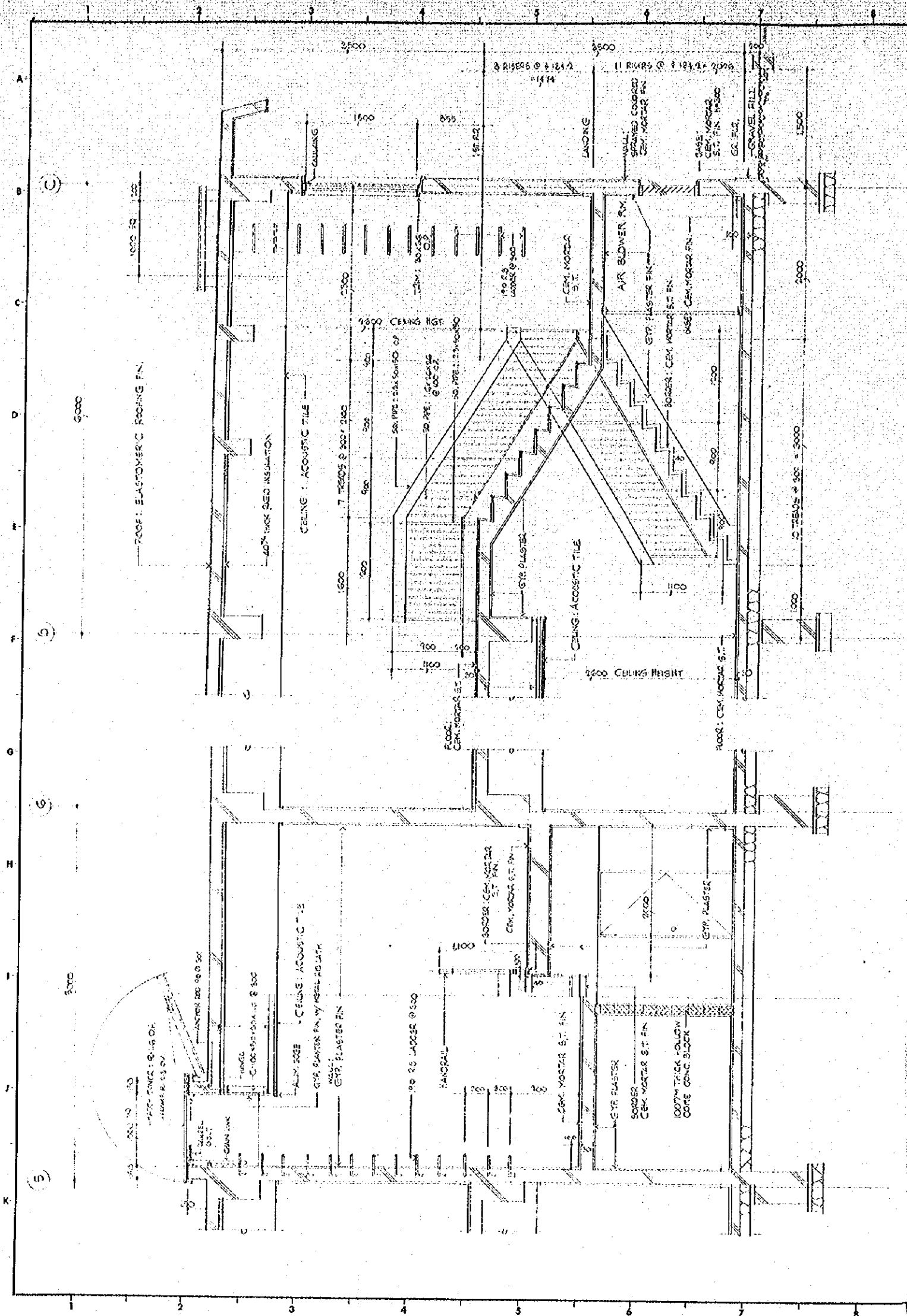
GENERAL NOTES

NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIH-QASIM PROJECT			
PAKISTAN			
---RELATED FACILITIES---			
TERMINAL OFFICE			
LOCATION OF SECTIONS & FINISH SCHEDULES			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. NO.	
1 : 100			
DATE		DWG. NO. A-103	



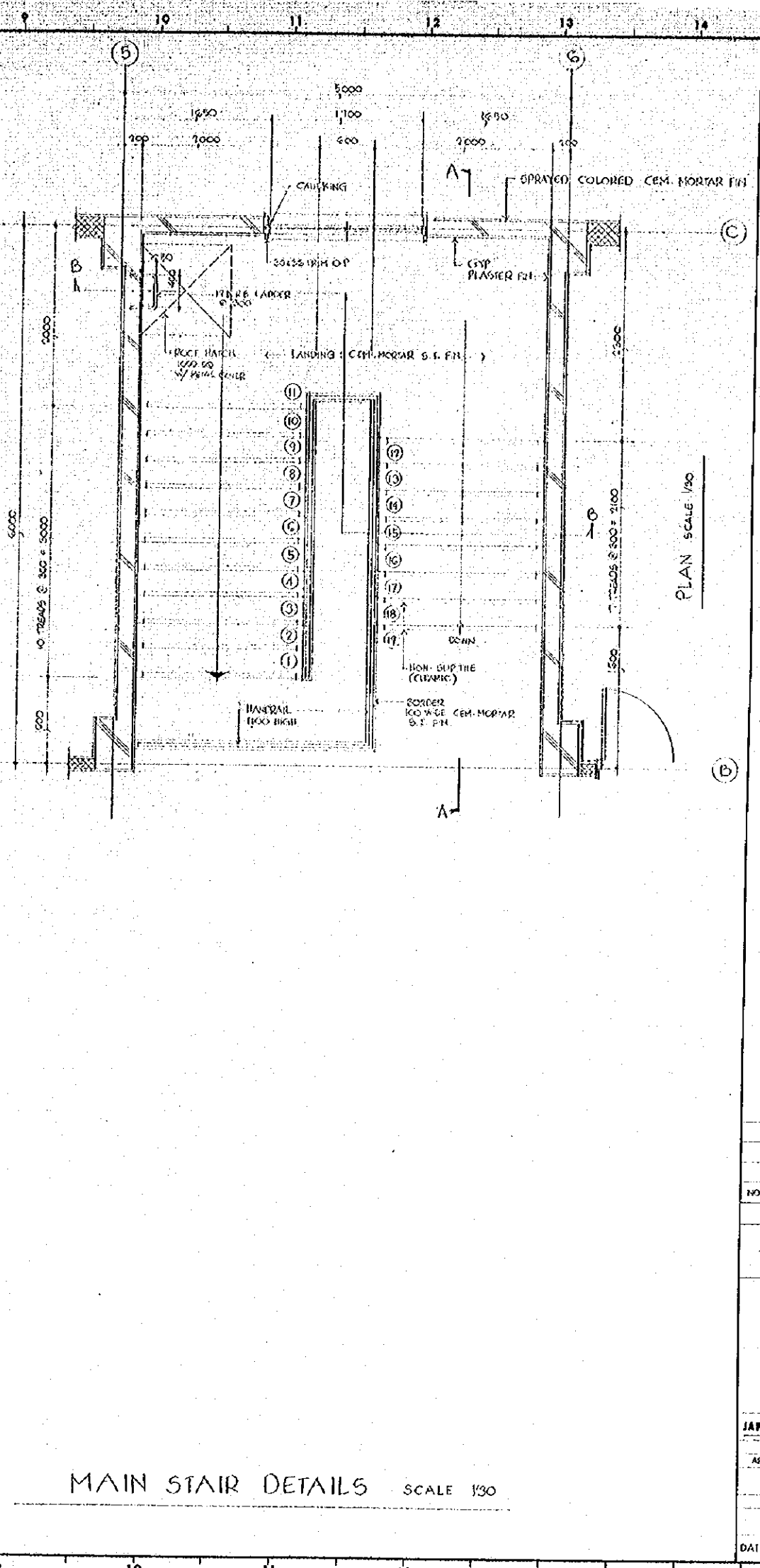
GENERAL NOTES

NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIKH-QASIM PROJECT PAKISTAN			
RELATED FACILITIES			
TERMINAL OFFICE			
LOCATION OF WALL SECTIONS & DETAIL PLAN			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. NO.	
1:30			
DATE	DWG. NO. A-104		



A-A SECTION SCALE 1/30

B-B SECTION SCALE 1/30

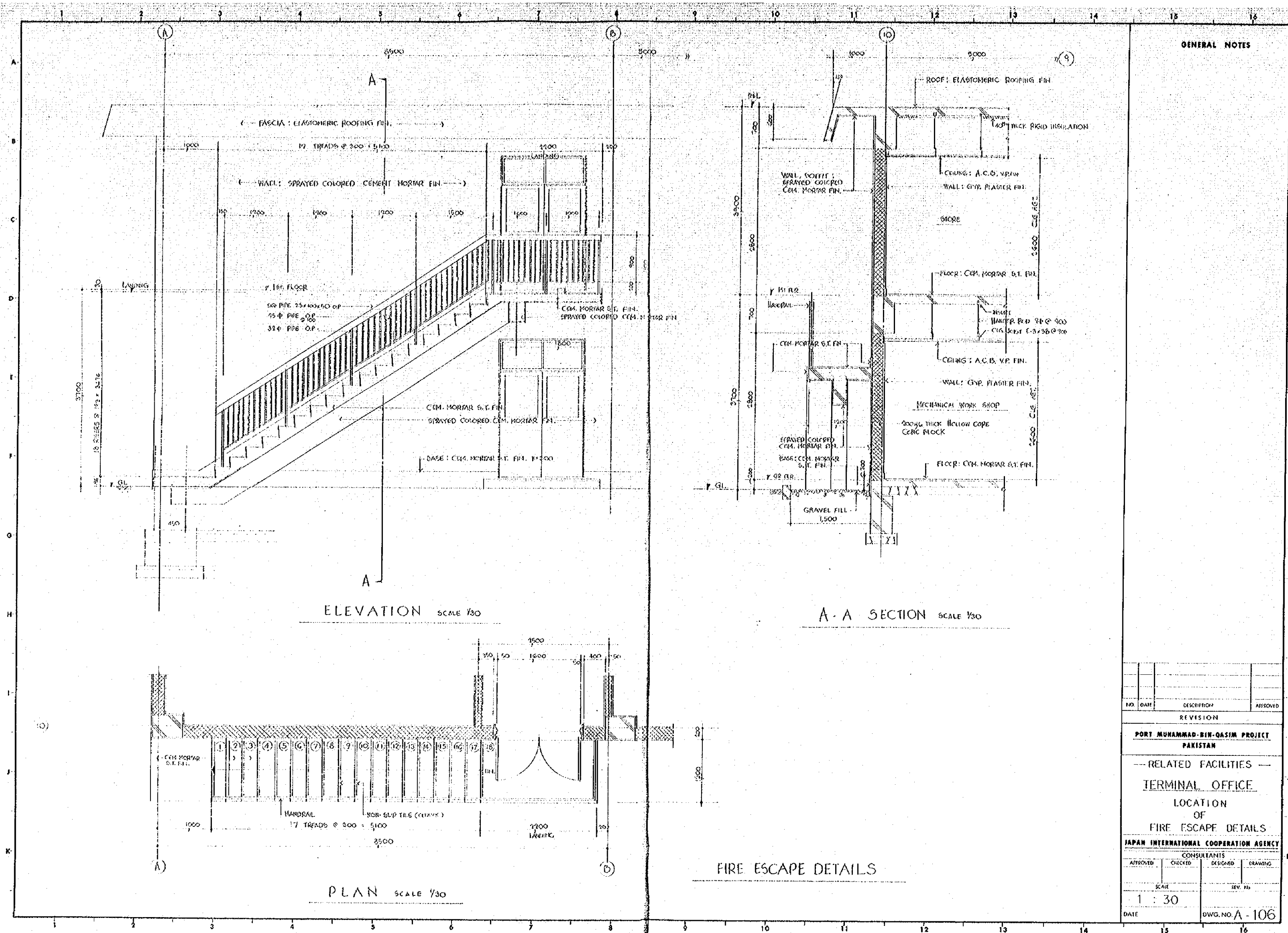


PLAN SCALE 1/30

MAIN STAIR DETAILS SCALE 1/30

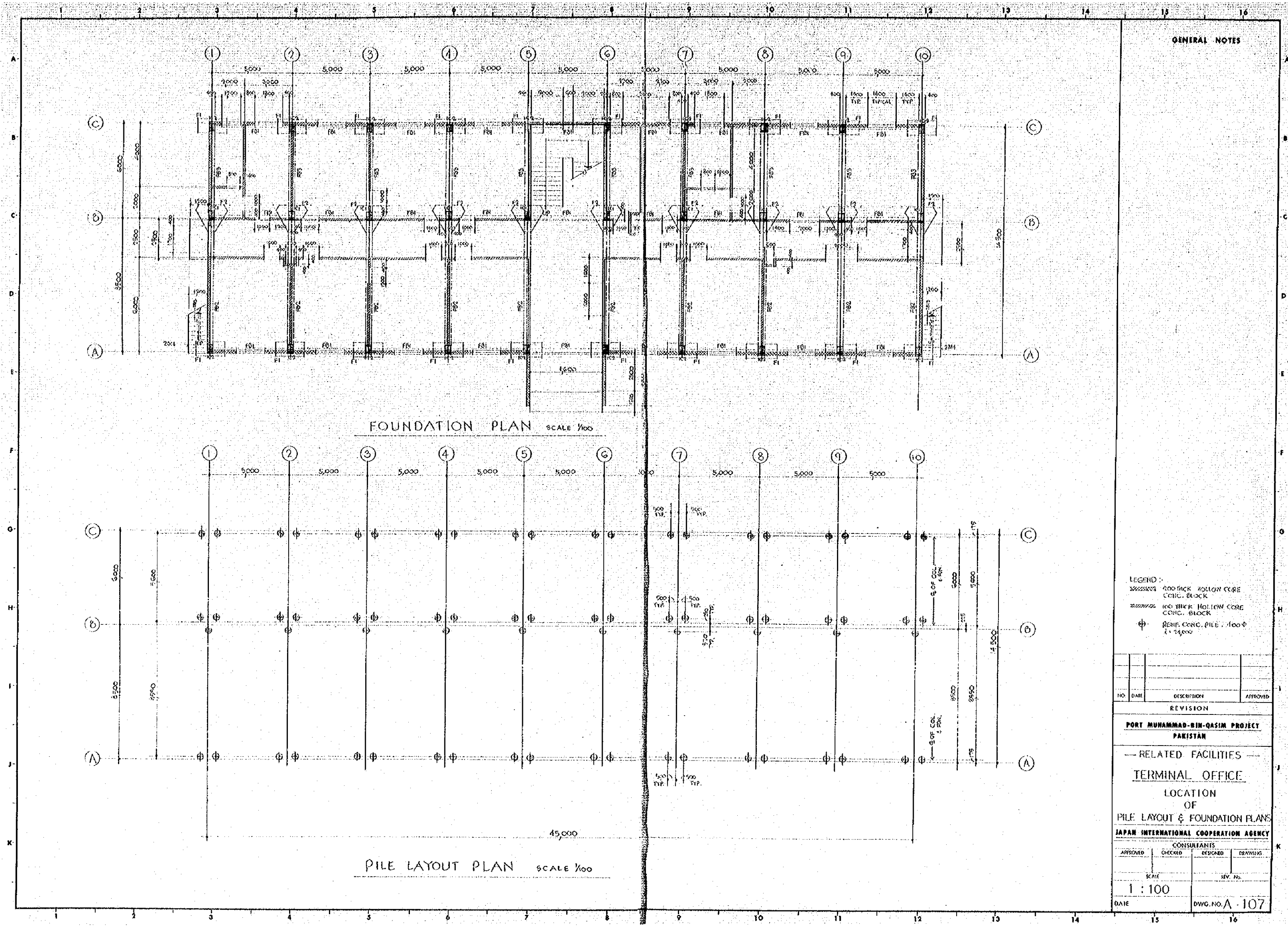
GENERAL NOTES

NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
— RELATED FACILITIES —			
TERMINAL OFFICE			
LOCATION OF MAIN STAIR DETAILS			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. NO.	
1 : 30			
DATE	DWG. NO. A-105		



GENERAL NOTES

NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
-- RELATED FACILITIES --			
TERMINAL OFFICE			
LOCATION OF FIRE ESCAPE DETAILS			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. NO.	
1 : 30			
DATE	DWG. NO. A - 106		



GENERAL NOTES

- LEGEND:
- 200 THICK HOLLOW CORE CONC. BLOCK
 - 100 THICK HOLLOW CORE CONC. BLOCK
 - REFIN. CONC. PILE 400Φ x 12000

NO.	DATE	DESCRIPTION	APPROVED

REVISION

PORT MUHAMMAD-BIN-QASIM PROJECT
PAKISTAN

— RELATED FACILITIES —
TERMINAL OFFICE
LOCATION
OF
PILE LAYOUT & FOUNDATION PLANS

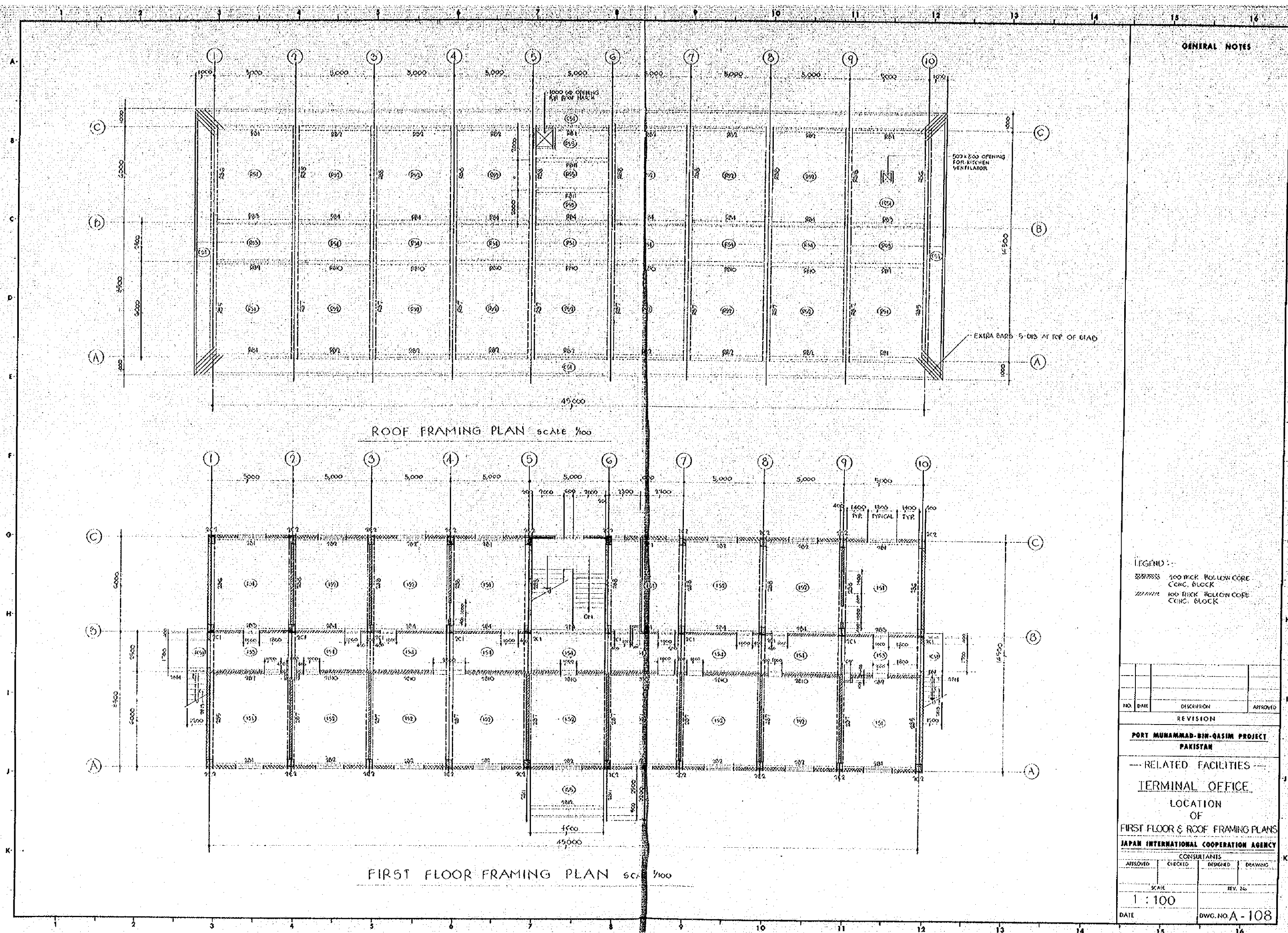
JAPAN INTERNATIONAL COOPERATION AGENCY

CONSULTANTS

APPROVED	CHECKED	DESIGNED	DRAWING

SCALE: 1 : 100

DATE: DWG. NO. A - 107



GENERAL NOTES

LEGEND :-
 [Symbol] 500 HCP. HOLLOW CORE C.C.C. BLOCK
 [Symbol] 100 HCP. HOLLOW CORE C.C.C. BLOCK

NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
--- RELATED FACILITIES ---			
TERMINAL OFFICE			
LOCATION OF			
FIRST FLOOR & ROOF FRAMING PLANS			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. NO.	
1 : 100			
DATE	DWG. NO. A - 108		

GIRDER AND BEAM LIST

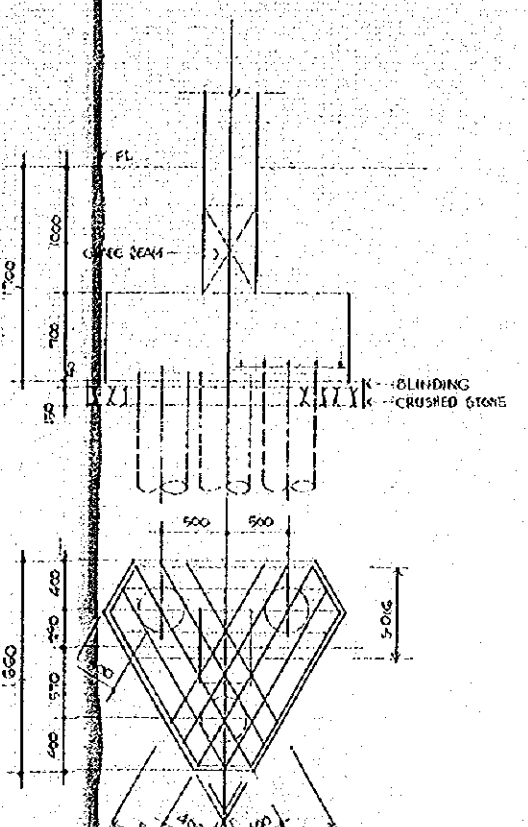
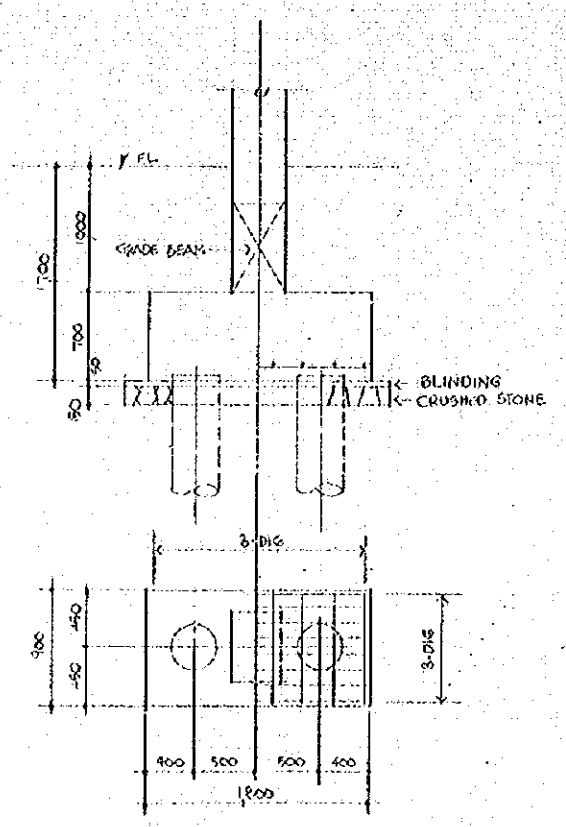
SCALE 1/30

MARK	RB1, RB2, RB3, RB4				RB5, RB7				RB6, RB8				RB9, RB10		RB11		RB1, RB3		RB2, RB4	
SIZE	300 x 100				400 x 100				400 x 100				250 x 500		300 x 100		300 x 100		300 x 100	
PART	END	MIDSPAN	INTER. END	INTER. END	INT. END	MIDSPAN	EXT. END	END	MIDSPAN	END	MIDSPAN	EXT. END	MIDSPAN	INT. END	END	MIDSPAN	INT. END	END	MIDSPAN	
SECTION																				
TOP BAR	3-D12	2-D12	4-D12	2-D12	6-D12	6-D12	2-D12	4-D12	3-D12	2-D12	2-D12	2-D12	2-D12	5-D12	2-D12	2-D12	4-D12	4-D12	4-D12	2-D12
MIDDLE BAR	2-D10		2-D10		2-D10									2-D10						
BOTTOM BAR	2-D12	2-D12	2-D12	2-D12	2-D12	2-D12	2-D12	2-D12	2-D12	2-D12	2-D12	2-D12	2-D12	2-D12	2-D12	2-D12	2-D12	2-D12	2-D12	2-D12
STIRRUPS	D10 @ 200		D10 @ 200		D10 @ 200									D10 @ 200						

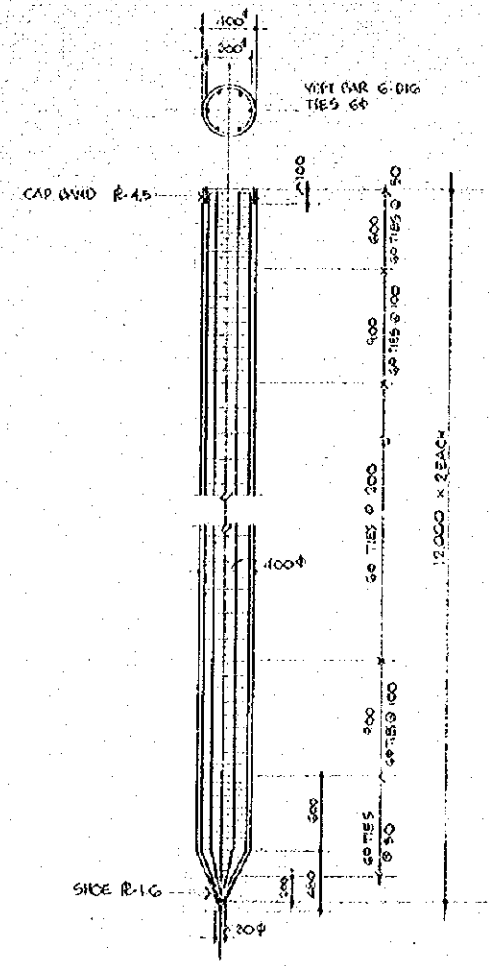
MARK	RB5, RB7		RB6, RB8		RB9	RB10	RB11	RB1	RB3	RB2, RB4
SIZE	400 x 100		400 x 100		250 x 500	250 x 500	250 x 500	250 x 500	250 x 500	400 x 100
PART	EXT. END	MIDSPAN	INT. END	EXT. END	EXT. END	MIDSPAN	INT. END	END	MIDSPAN	CON'T
SECTION										
TOP BAR	5-D15	2-D15	3-D15	2-D15	3-D15	2-D15	2-D15	2-D15	2-D15	2-D15
MIDDLE BAR	2-D10		2-D10							
BOTTOM BAR	2-D15	2-D15	2-D15	2-D15	2-D15	2-D15	2-D15	2-D15	2-D15	2-D15
STIRRUPS	D10 @ 200		D10 @ 200		D10 @ 200					

COLUMN LIST

MARK	2C1	2C2
SIZE	400 x 550	400 x 550
SECTION 1ST STORY		
VERT. BAR	4-D15	6-D15
HOOP	D10 @ 300	D10 @ 300
DIAG. BAR	D10 @ 900	D10 @ 900
MARK	1C1	1C2
SIZE	400 x 550	400 x 550
SECTION 2ND STORY		
VERT. BAR	3-D15	4-D15
HOOP	D10 @ 300	D10 @ 300
DIAG. BAR	D10 @ 900	D10 @ 900



FOOTING DETAIL SCALE 1/30

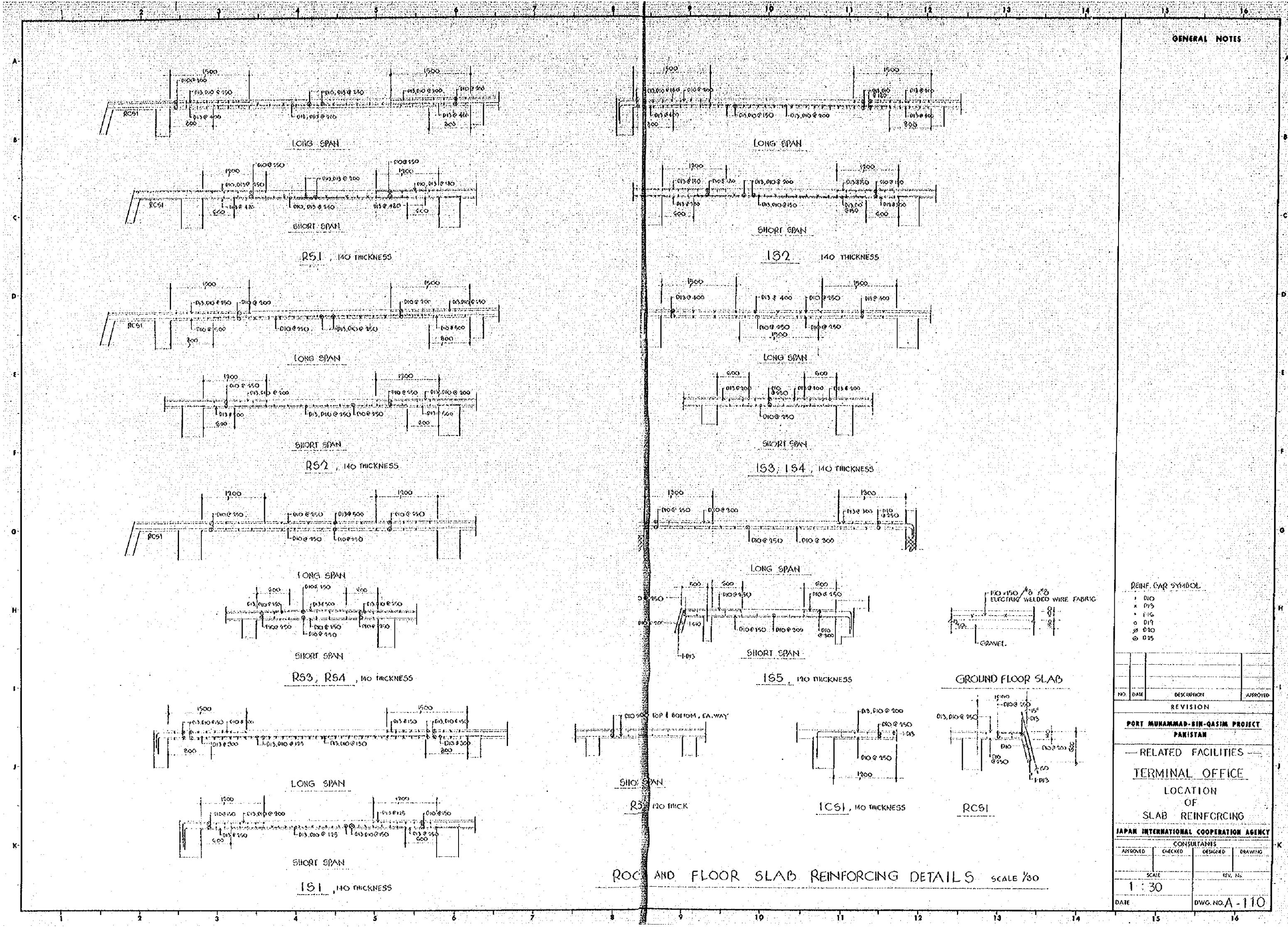


REIN. CONCRETE PILE DETAIL SCALE 1/30

GENERAL NOTES

- REF. BAR SYMBOL
- D10
 - x D13
 - + D16
 - o D19
 - ^ D22
 - o D25

NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
— RELATED FACILITIES —			
TERMINAL OFFICE			
LOCATION OF			
GIRDER, BEAM, COLUMN LIST & FOUNDATION AND PILE REINFORCING			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. NO.	
1 : 30			
DATE		DWG. NO. A-109	



GENERAL NOTES

REIN. BAR SYMBOL
 $\phi 10$
 $\times \phi 12$
 $\cdot \phi 16$
 $\circ \phi 20$
 $\odot \phi 25$

NO.	DATE	DESCRIPTION	APPROVED

PORT MUHAMMAD-BIN-QASIM PROJECT
 PAKISTAN

RELATED FACILITIES
 TERMINAL OFFICE
 LOCATION
 OF
 SLAB REINFORCING

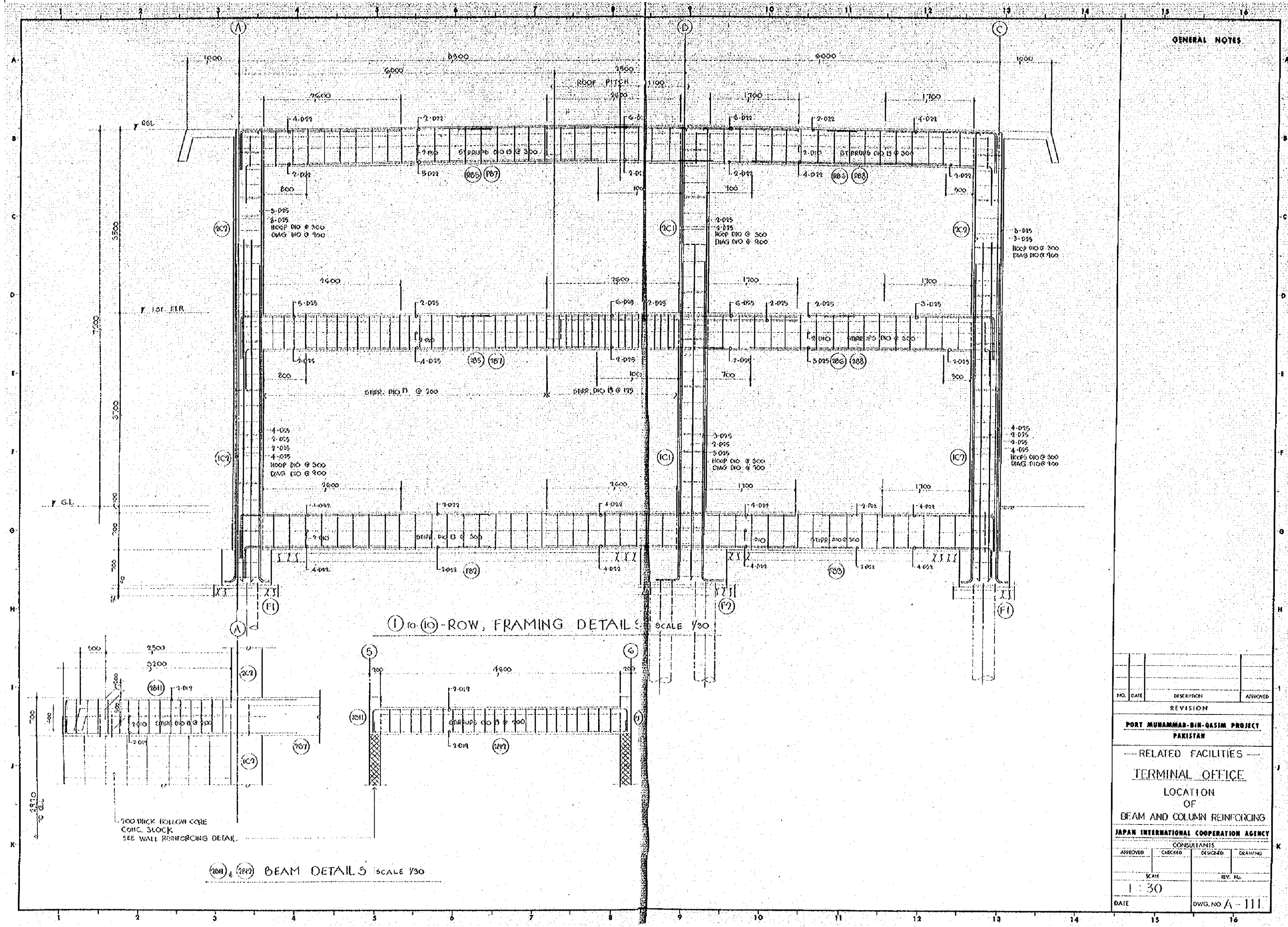
JAPAN INTERNATIONAL COOPERATION AGENCY
 CONSULTANTS

APPROVED	CHECKED	DESIGNED	DRAWING

SCALE
 1 : 30

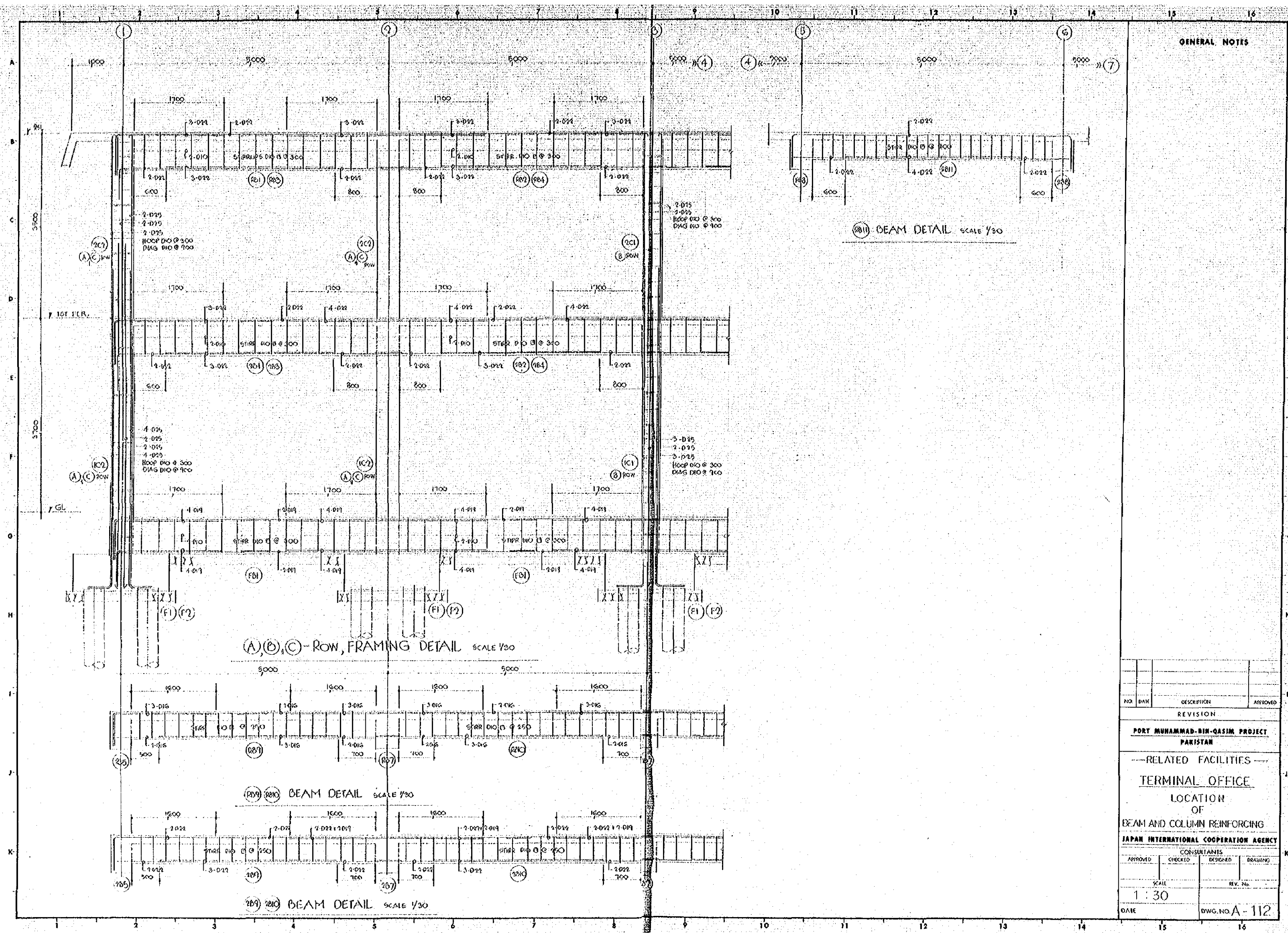
DATE
 DWG. NO. A-110

ROOF AND FLOOR SLAB REINFORCING DETAILS SCALE 1/30



GENERAL NOTES

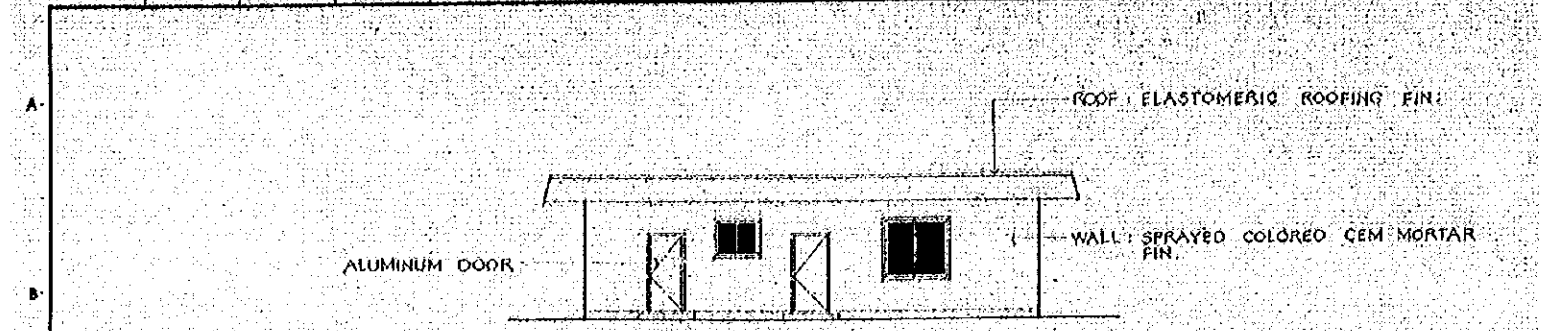
NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
— RELATED FACILITIES —			
TERMINAL OFFICE			
LOCATION OF BEAM AND COLUMN REINFORCING			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. NO.	
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DATE		DWG. NO. A-111	



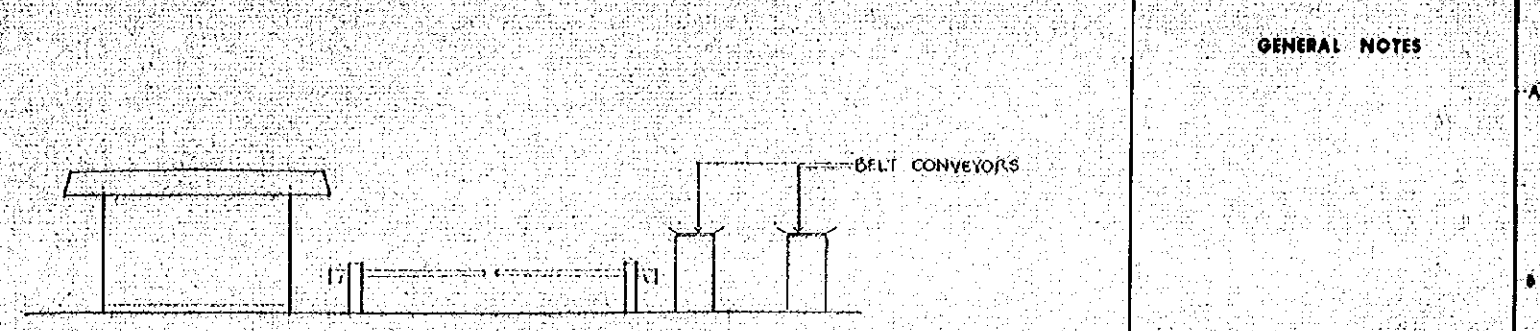
GENERAL NOTES

NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
--RELATED FACILITIES--			
TERMINAL OFFICE			
LOCATION OF BEAM AND COLUMN REINFORCING			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. NO.	
1 : 30			
DATE		DWG. NO. A-112	

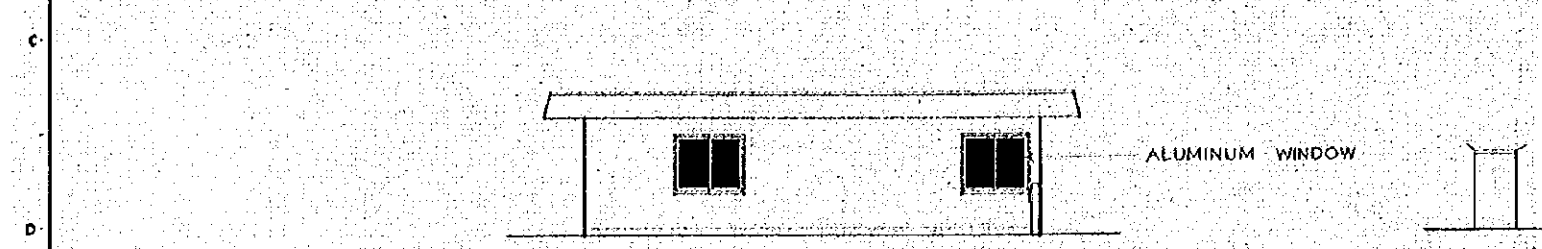
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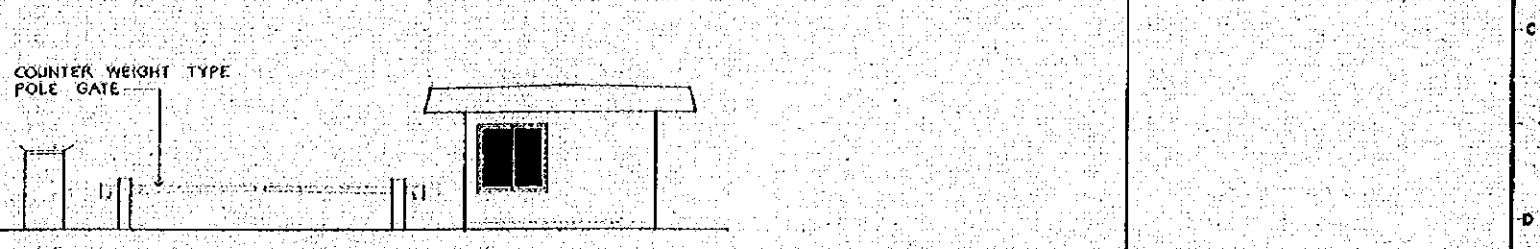
1 SIDE ELEVATION SCALE 1/100



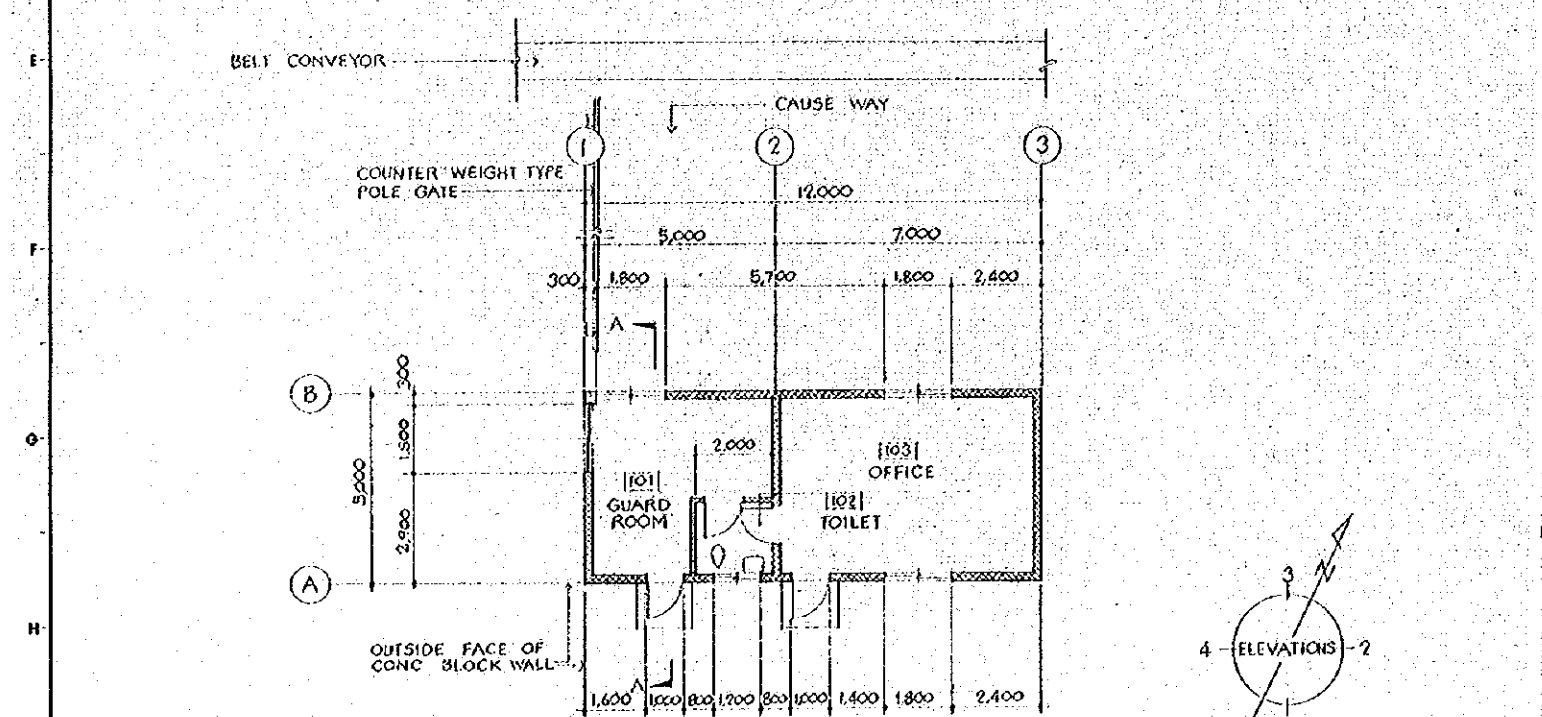
2 SIDE ELEVATION SCALE 1/100



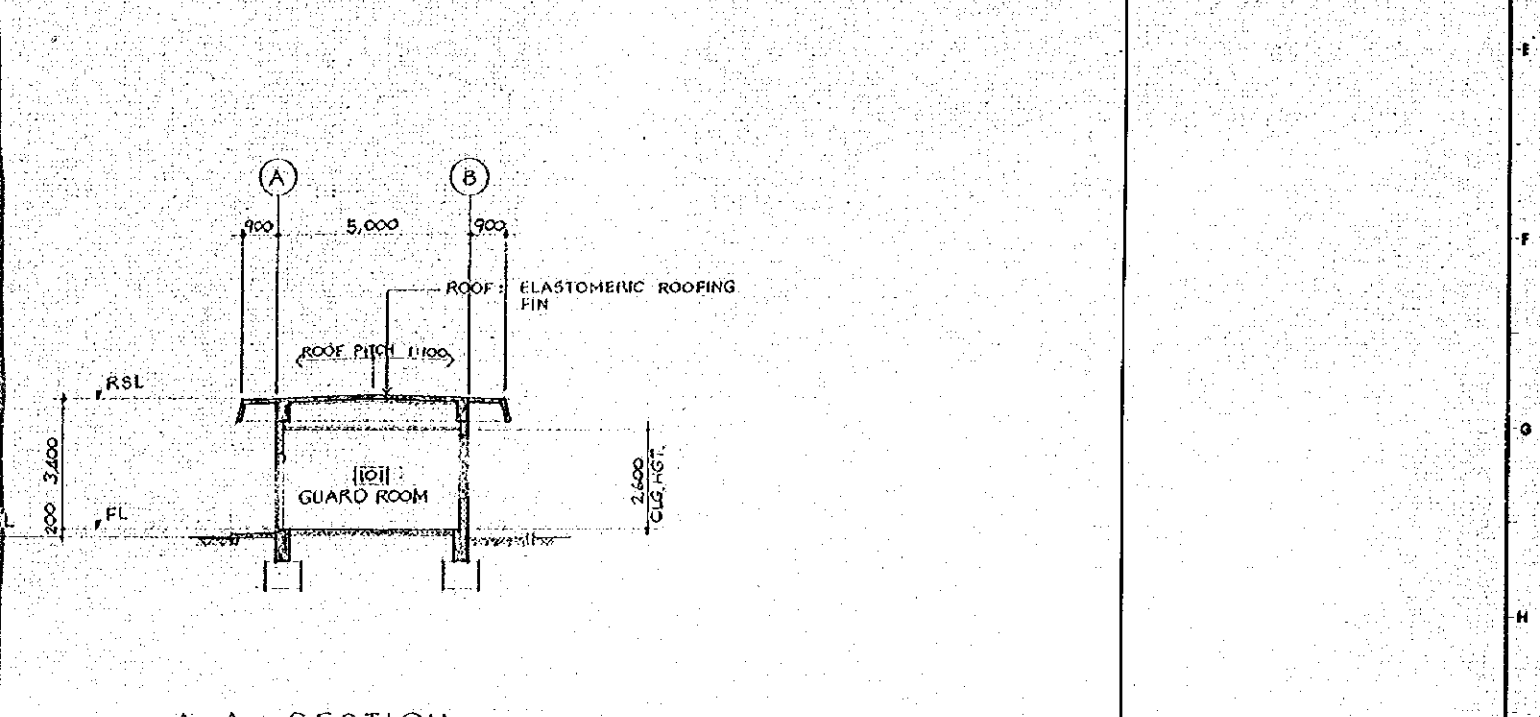
3 SIDE ELEVATION SCALE 1/100



4 SIDE ELEVATION



FLOOR PLAN SCALE 1/100



A-A SECTION SCALE 1/100

GENERAL NOTES

INTERIOR FINISH SCHEDULE																	
RM NO	ROOM NAME	FLOOR			BASE			WAINSCOT			WALL			CEILING			REMARKS
		MATERIAL	FINISH	HGT	MATERIAL	FINISH	HGT	MATERIAL	FINISH	HGT	MATERIAL	FINISH	HGT	MATERIAL	FINISH	HGT	
101	GUARD ROOM	CEMENT MORTAR	STEEL TROWEL	100	CEMENT MORTAR	V.P.	100				GYP SUM PLASTER	V.P.	ACOUSTIC TILE	V.P.	2,600		
102	TOILET	CEMENT MORTAR	STEEL TROWEL	100	CEMENT MORTAR	V.P.	100				GYP SUM PLASTER	V.P.	ACOUSTIC TILE	V.P.	2,600		
103	OFFICE	CEMENT MORTAR	STEEL TROWEL	100	CEMENT MORTAR	V.P.	100				GYP SUM PLASTER	V.P.	ACOUSTIC TILE	V.P.	2,600		

EXTERIOR FINISH SCHEDULE				
PART	MATERIAL	FINISH	REMARKS	REMARKS
ROOF	CONCRETE	ELASTOMERIC ROOFING		
WALL	CONCRETE & CONC. BLOCK	SPRAYED COLORED CEM. MORTAR		
BASE	CONCRETE	STEEL TROWEL		
SOFFIT	CONCRETE	SPRAYED COLORED CEM. MORTAR		
DOOR & FRAME	ALUMINUM	MANUFACTURE FIN.		
WINDOW & FRAME	ALUMINUM	MANUFACTURE FIN.		
STOOP	CONCRETE	BROOMED FINISH		

NO.	DATE	DESCRIPTION	APPROVED
REVISION			

PORT MUHAMMAD-BIN-QASIM PROJECT
PAKISTAN

--- RELATED FACILITIES ---

GATE HOUSE
LOCATION
OF
FLOOR PLAN, ELEVATIONS,
SECTION & FINISH SCHEDULES

JAPAN INTERNATIONAL COOPERATION AGENCY

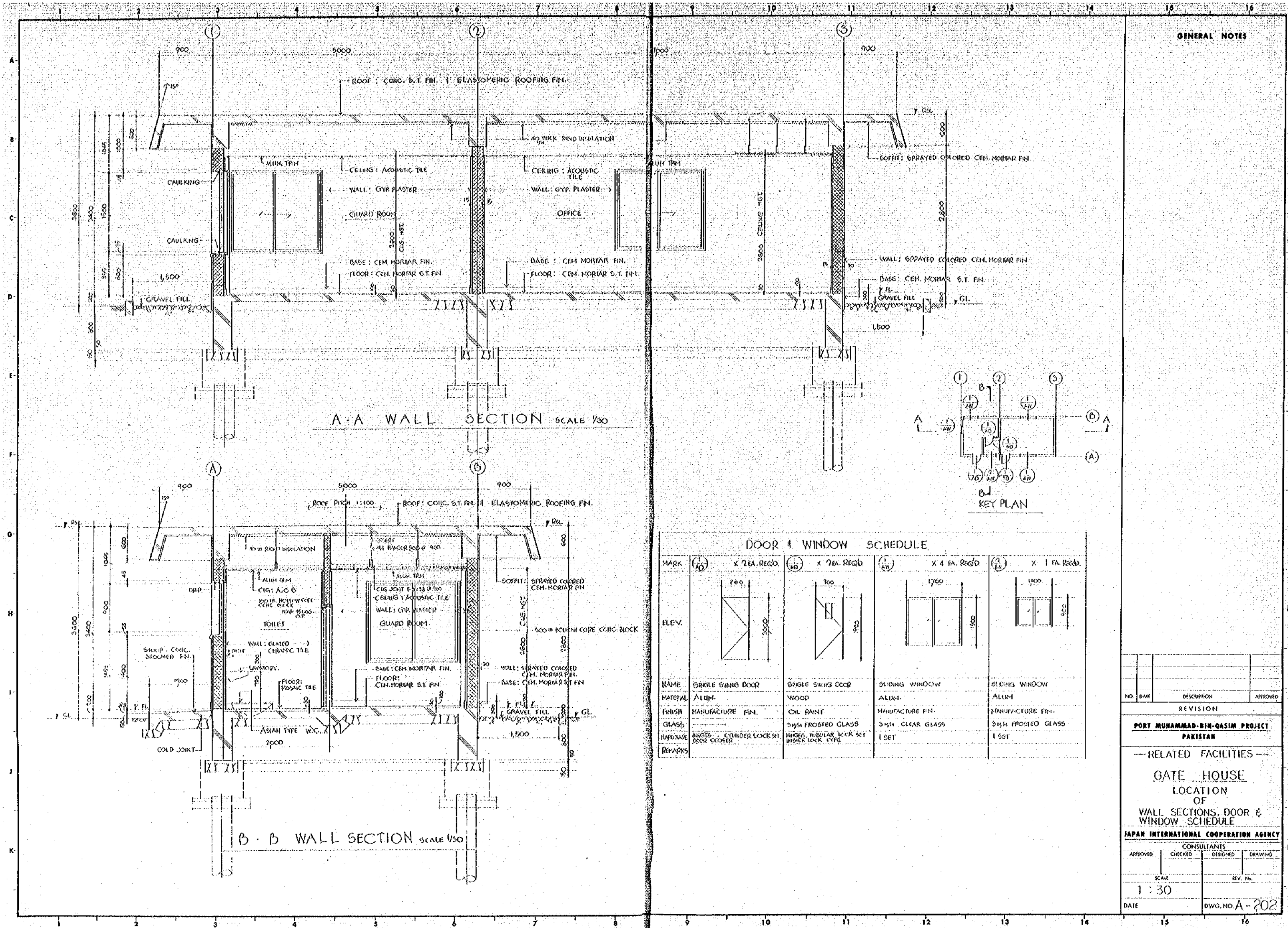
CONSULTANTS

APPROVED	CHECKED	DESIGNED	DRAWING

SCALE: 1:100

DATE: _____ DWG. NO. A-201

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



GENERAL NOTES

NO.	DATE	DESCRIPTION	APPROVED
REVISION			

PORT MUHAMMAD-BIN-QASIM PROJECT
PAKISTAN

---RELATED FACILITIES---

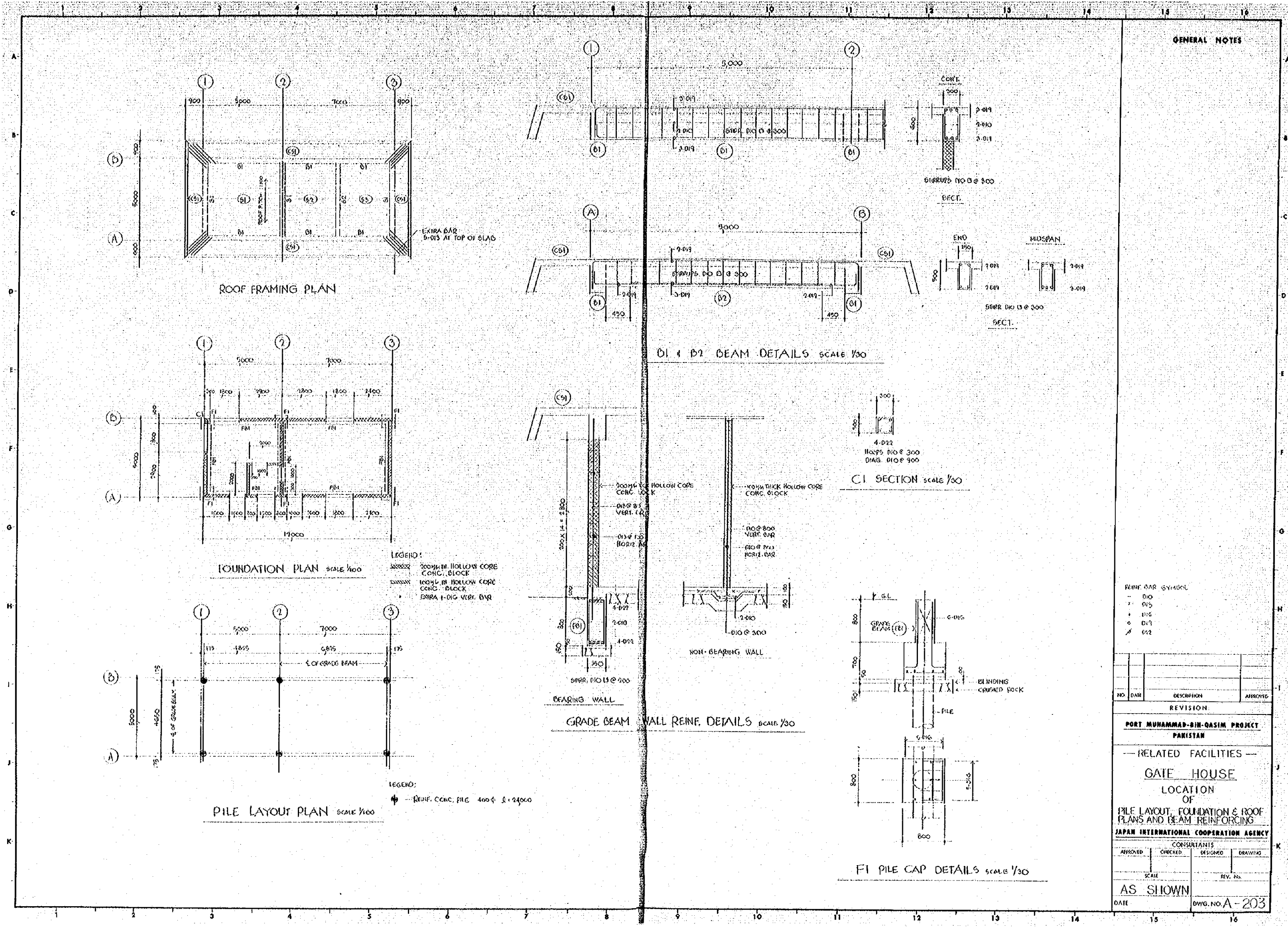
GATE HOUSE
LOCATION
OF
WALL SECTIONS, DOOR &
WINDOW SCHEDULE

JAPAN INTERNATIONAL COOPERATION AGENCY

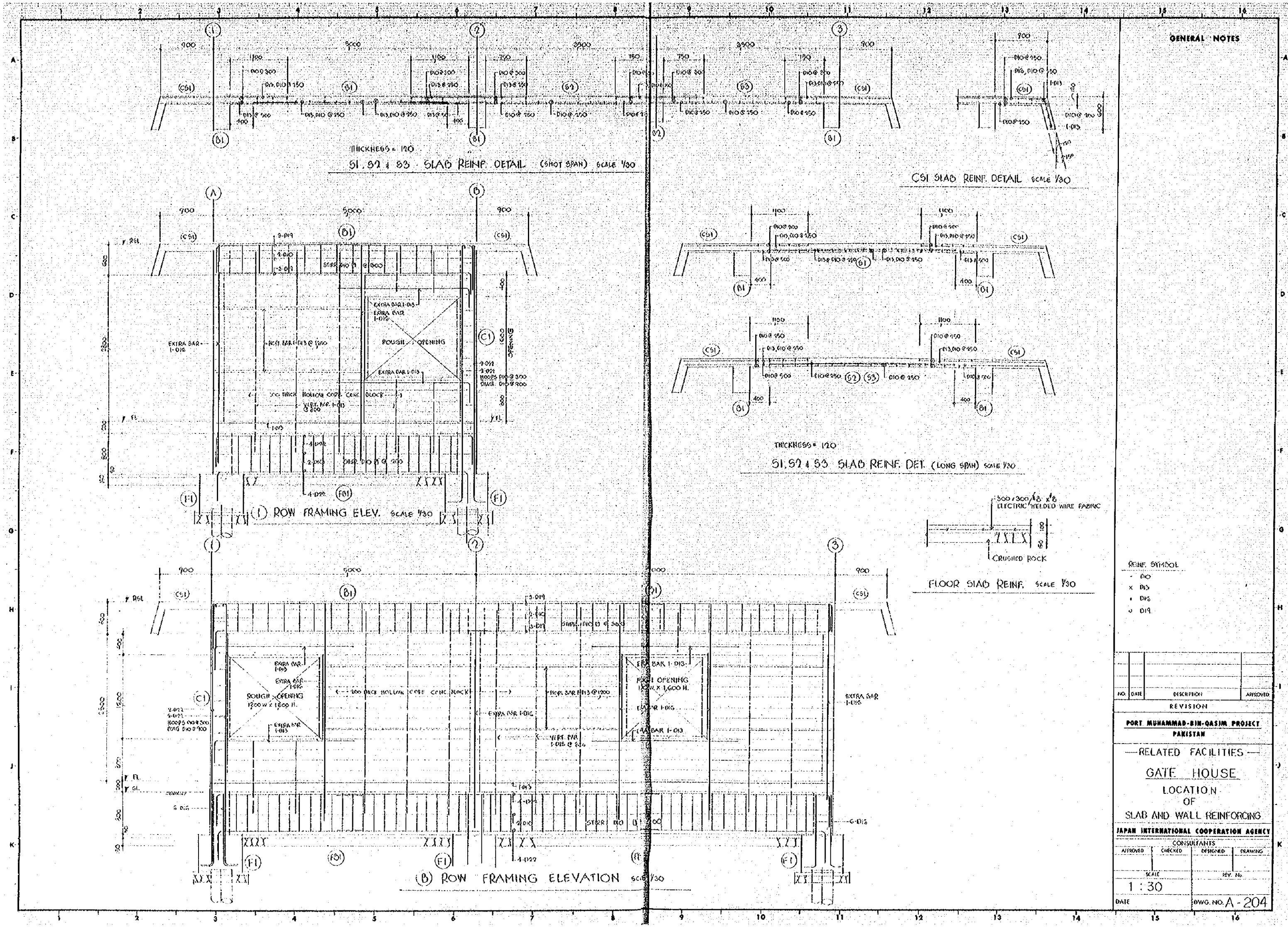
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. NO.	
1 : 30			
DATE		DWG. NO. A-202	

DOOR & WINDOW SCHEDULE

MARK	(1) 2 BA. REQD.	(2) 2 BA. REQD.	(3) 4 BA. REQD.	(4) 1 BA. REQD.
ELEV.				
NAME	SINGLE SWING DOOR	SINGLE SWING DOOR	SLIDING WINDOW	SLIDING WINDOW
MATERIAL	ALUM.	WOOD	ALUM.	ALUM.
FINISH	MANUFACTURE FIN.	OIL PAINT	MANUFACTURE FIN.	MANUFACTURE FIN.
GLASS		3MM FROSTED GLASS	3MM CLEAR GLASS	3MM FROSTED GLASS
HINGE/SLIDE	HINGED CYLINDER LOCK SET DOOR CLOSER	HINGED TUBULAR LOCK SET INSIDE LOCK TYPE	1 SET	1 SET
REMARKS				



NO.	DATE	DESCRIPTION	APPROVE
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
— RELATED FACILITIES —			
GATE HOUSE			
LOCATION OF			
PILE LAYOUT, FOUNDATION & ROOF PLANS AND BEAM REINFORCING			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE	REV. No.		
AS SHOWN			
DATE	DWG. NO. A-203		



GENERAL NOTES

- REIN. SYMBOL
- D10
 - x D13
 - D16
 - o D19

NO.	DATE	DESCRIPTION	APPROVED

REVISION

PORT MUHAMMAD-BIN-QASIM PROJECT
PAKISTAN

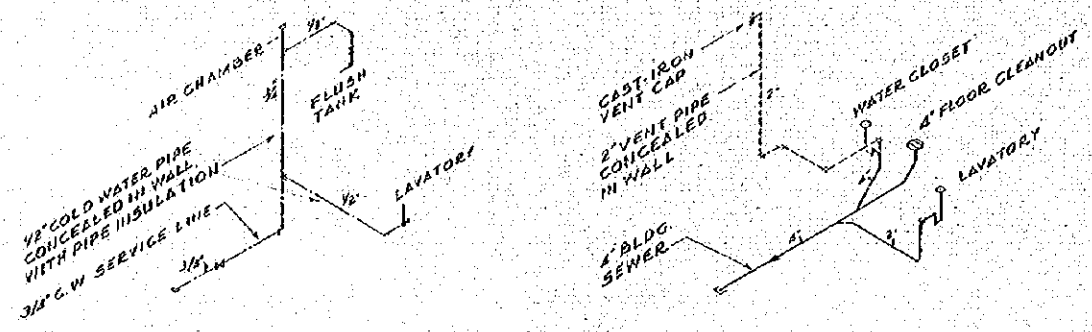
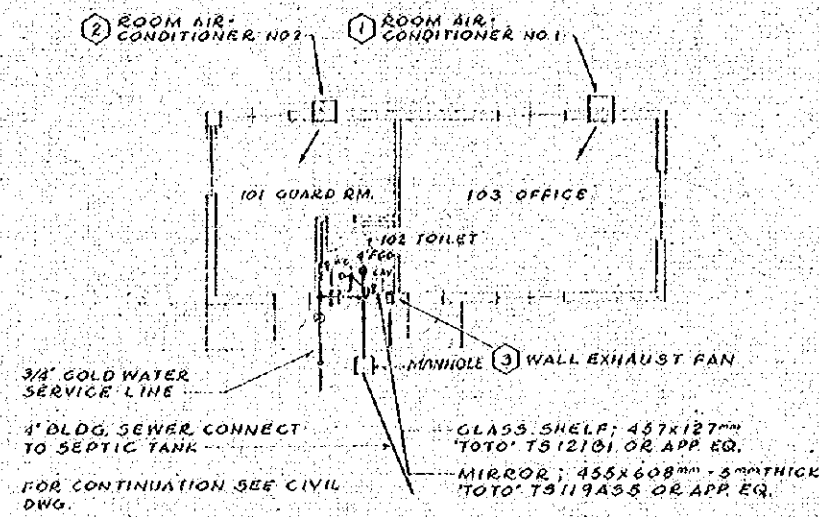
— RELATED FACILITIES —
GATE HOUSE
LOCATION OF
SLAB AND WALL REINFORCING

JAPAN INTERNATIONAL COOPERATION AGENCY

CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING

SCALE: 1 : 30 REV. NO.:

DATE: DWG. NO. A-204



ISOMETRIC PIPING DIAGRAMS NO SCALE

EQUIPMENT SCHEDULE

SYM.	DESCRIPTION AND ACCEPTABLE MANUFACTURER	QTY
①	ROOM AIR CONDITIONER NO. 1 WALL MOUNTED, SELF-CONTAINED, COOLING CAPACITY 5,390 KCAL/HR. OR 1.75 REF. TONS, FAN CAPACITY 12.7 CMM, AIR THRU 15.2 METER, 2.9 LITERS PER HOUR MOISTURE REMOVAL, 15.5 AMPS, 1 ϕ 220V-50Hz, UNIT DIMENSIONS 470H x 670W x 630 ^{mm} D, WEIGHT 82 KILOS, CARRIER COSMOPOLITAN 400, MODEL SIFA 3217 OR APPROVED EQUAL	1
②	ROOM AIR CONDITIONER NO. 2 SAME AS ABOVE EXCEPT CAPACITY 2,570 KCAL/HR. OR 0.85 REF. TONS, FAN CAPACITY 7.8 CMM, AIR THRU 8.2 METER, 1.5 LITER PER HOUR MOISTURE REMOVAL, 10 AMPS, 1 ϕ 220V-50Hz, UNIT DIMENSIONS 390H x 580W x 520 ^{mm} D, WEIGHT 50 KILOS, NET, CARRIER WEATHERMAKER II MODEL NO. 515H1117 OR APPROVED EQUAL	1
③	WALL EXHAUST FAN WALL MOUNTED, DIRECT-DRIVEN, PROPELLER FAN WITH EXHAUST LOUVER, CAPACITY 2.3 CFM, 20 WATTS, 1 ϕ 220V-50Hz, NATIONAL PIPE FAN MODEL FV-13PCA OR APPROVED EQUAL	1

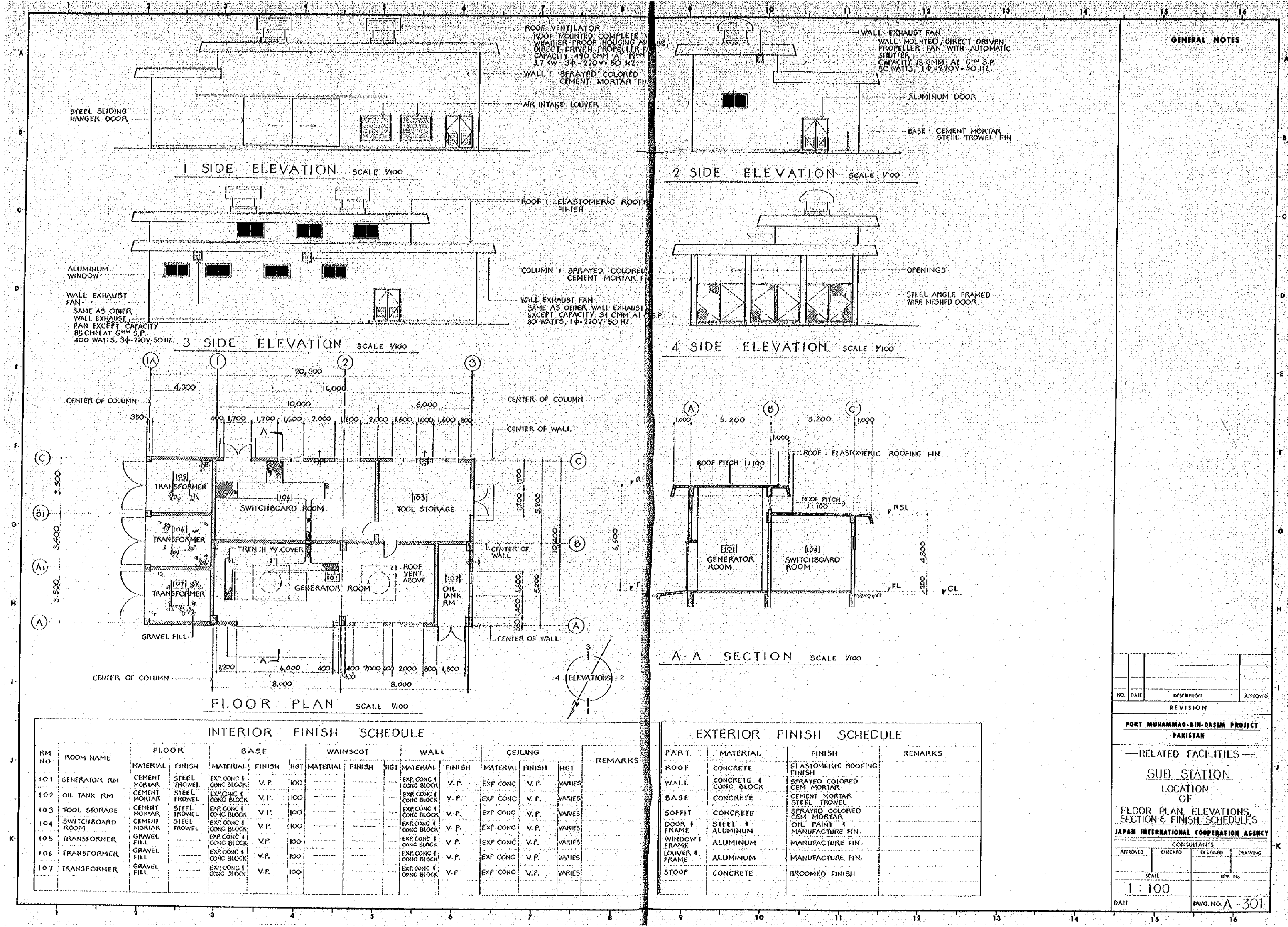
PLUMBING FIXTURE SCHEDULE

SYM.	DESCRIPTION AND ACCEPTABLE MANUFACTURER	QTY
WC	WATER CLOSET VITREOUS-CHINA, ASIAN TYPE WITH FLUSH TANK, SUPPLY & WASTE TRIM ASSEMBLY AND PAPER HOLDER, SEE DETAIL ON DWG NO. AM-102	1
LAV	LAVATORY VITREOUS-CHINA, FLAT TOP WITH ANTI-SPLASH, COLD WATER SUPPLY ONLY, SUPPLY & WASTE TRIM ASSEMBLY, TOTO L 220D, SIZE 534 x 432 ^{mm} OR APPROVED EQUAL	1

NOTES:
1. WHERE EQUIPMENT OF ONE MANUFACTURE IS SPECIFIED APPROVED EQUAL EQUIPMENT OF ANOTHER MAY BE SUPPLIED.
2. ALL EQUIPMENT HORSE POWERS INDICATED ON SCHEDULE ARE APPROXIMATE ACTUAL REQUIRED HORSE POWER TO BE AS RECOMMENDED BY MANUFACTURERS.

GENERAL NOTES

NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
---RELATED FACILITIES---			
GATE HOUSE LOCATION OF AIR-CONDITIONING & PLUMBING PLAN AND EQUIPMENT SCHEDULE			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWN
SCALE		REV. NO.	
AS SHOWN			
DATE	DWG. NO. AM-201		



GENERAL NOTES

ROOF VENTILATOR
ROOF FINISHED COMPLETE
WEATHER-PROOF HOUSING AND
DIRECT-DRIVEN PROPELLER FAN
CAPACITY: 490 CMM AT 10" W.P.
3.7 KW, 3Φ-220V-50 HZ.

WALL EXHAUST FAN
WALL MOUNTED, DIRECT-DRIVEN
PROPELLER FAN WITH AUTOMATIC
SHUTTER
CAPACITY: 18 CMM AT 10" W.P.
50 WATTS, 1Φ-220V-50 HZ.

ALUMINUM DOOR

BASE: CEMENT MORTAR
STEEL TROWEL FIN.

STEEL SLIDING
HANGER DOOR.

1 SIDE ELEVATION SCALE 1/100

2 SIDE ELEVATION SCALE 1/100

ALUMINUM
WINDOW

WALL EXHAUST
FAN
SAME AS OTHER
WALL EXHAUST
FAN EXCEPT CAPACITY
85 CMM AT 10" W.P.
100 WATTS, 3Φ-220V-50 HZ.

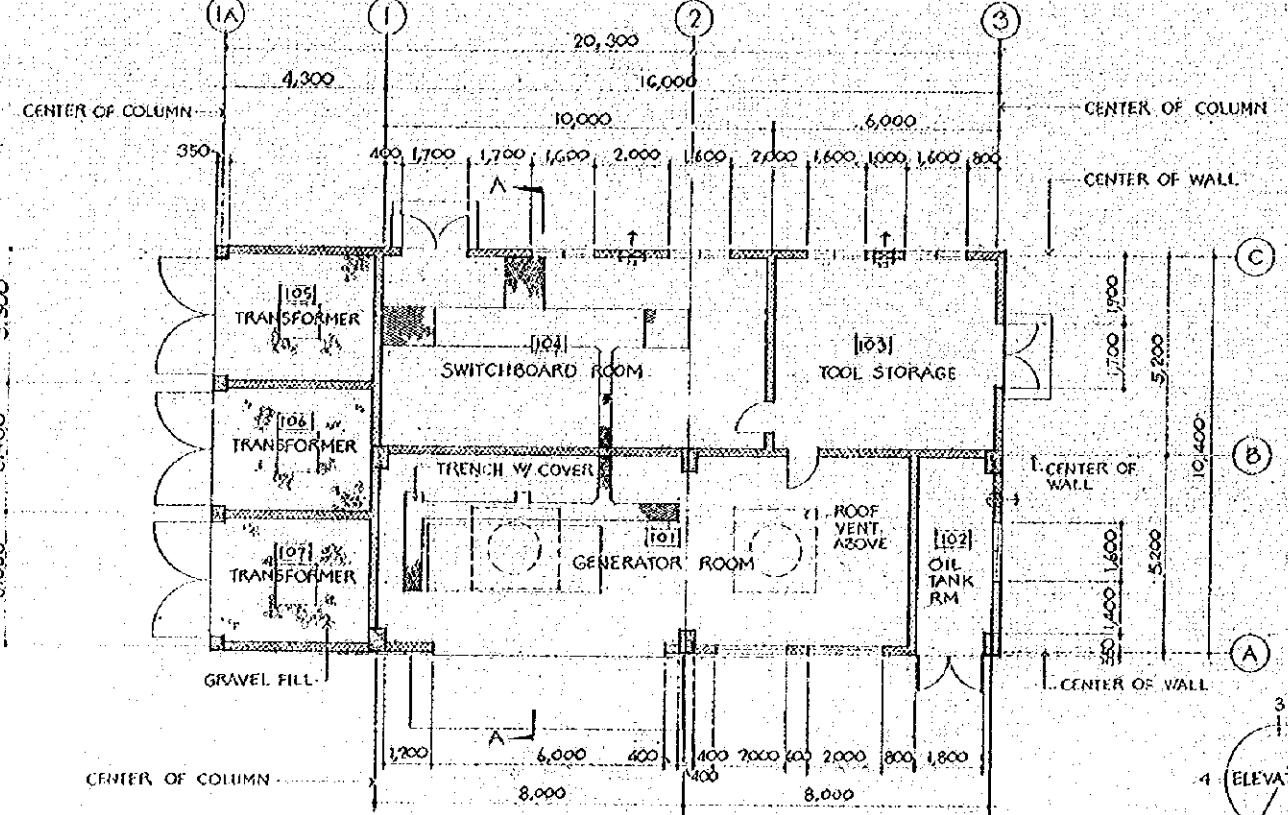
ROOF: ELASTOMERIC ROOFING
FINISH

COLUMN: SPRAYED COLORED
CEMENT MORTAR FIN.

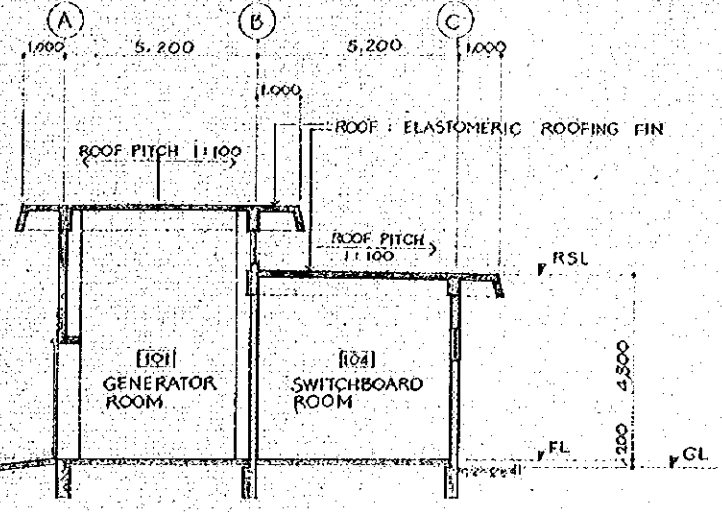
WALL EXHAUST FAN
SAME AS OTHER WALL EXHAUST
EXCEPT CAPACITY 34 CMM AT
80 WATTS, 1Φ-220V-50 HZ.

3 SIDE ELEVATION SCALE 1/100

4 SIDE ELEVATION SCALE 1/100



FLOOR PLAN SCALE 1/100



A-A SECTION SCALE 1/100

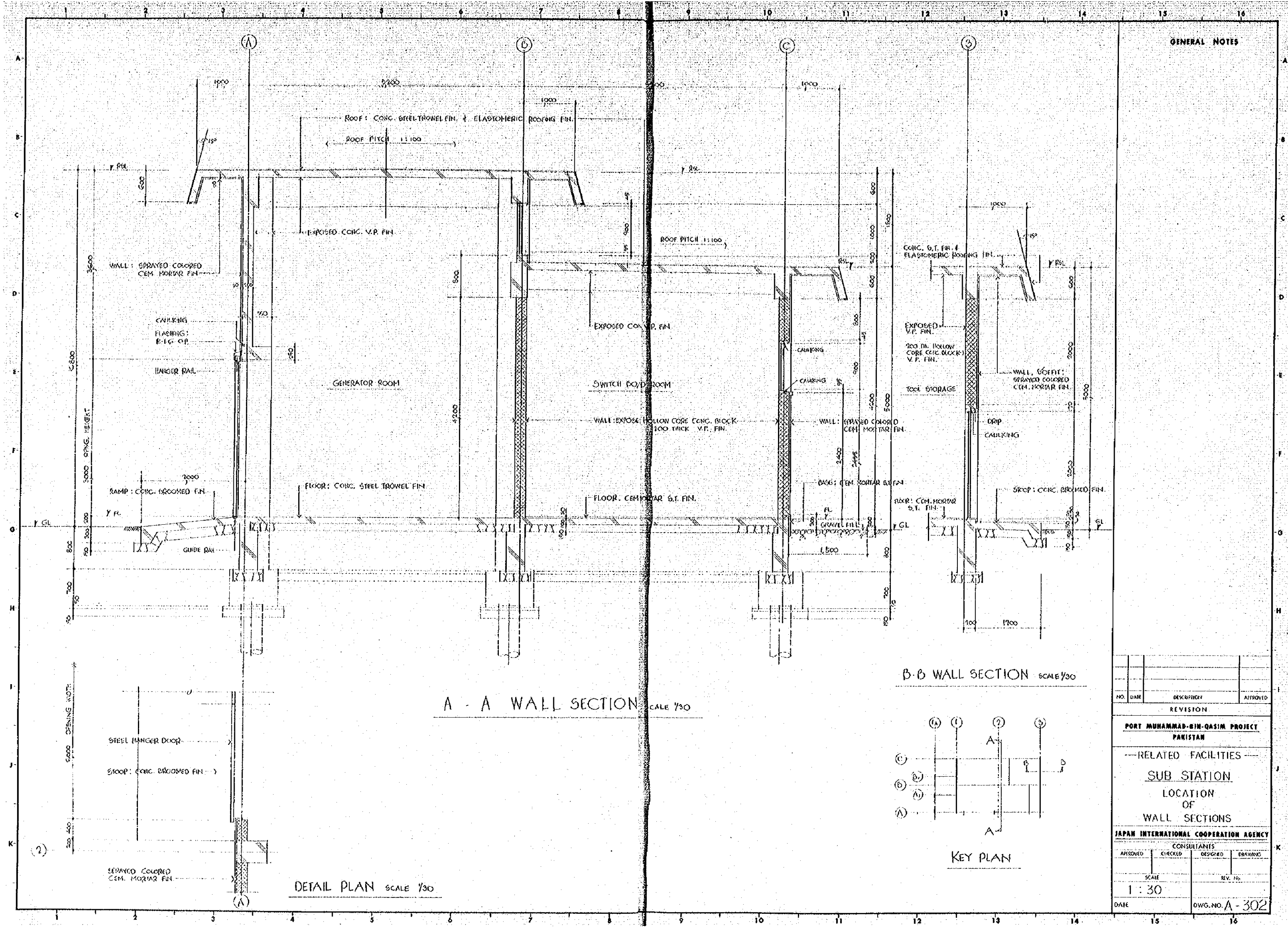
INTERIOR FINISH SCHEDULE

RM NO	ROOM NAME	FLOOR		BASE		WAINSCOT		WALL		CEILING		REMARKS	
		MATERIAL	FINISH	MATERIAL	FINISH	HGT	MATERIAL	FINISH	HGT	MATERIAL	FINISH		HGT
101	GENERATOR RM	CEMENT MORTAR	STEEL TROWEL	EXP. CONC. & CONC. BLOCK	V.P.	100	---	---	EXP. CONC. & CONC. BLOCK	V.P.	EXP. CONC.	V.P.	VARIABLES
102	OIL TANK RM	CEMENT MORTAR	STEEL TROWEL	EXP. CONC. & CONC. BLOCK	V.P.	100	---	---	EXP. CONC. & CONC. BLOCK	V.P.	EXP. CONC.	V.P.	VARIABLES
103	TOOL STORAGE	CEMENT MORTAR	STEEL TROWEL	EXP. CONC. & CONC. BLOCK	V.P.	100	---	---	EXP. CONC. & CONC. BLOCK	V.P.	EXP. CONC.	V.P.	VARIABLES
104	SWITCHBOARD ROOM	CEMENT MORTAR	STEEL TROWEL	EXP. CONC. & CONC. BLOCK	V.P.	100	---	---	EXP. CONC. & CONC. BLOCK	V.P.	EXP. CONC.	V.P.	VARIABLES
105	TRANSFORMER	GRAVEL FILL	---	EXP. CONC. & CONC. BLOCK	V.P.	100	---	---	EXP. CONC. & CONC. BLOCK	V.P.	EXP. CONC.	V.P.	VARIABLES
106	TRANSFORMER	GRAVEL FILL	---	EXP. CONC. & CONC. BLOCK	V.P.	100	---	---	EXP. CONC. & CONC. BLOCK	V.P.	EXP. CONC.	V.P.	VARIABLES
107	TRANSFORMER	GRAVEL FILL	---	EXP. CONC. & CONC. BLOCK	V.P.	100	---	---	EXP. CONC. & CONC. BLOCK	V.P.	EXP. CONC.	V.P.	VARIABLES

EXTERIOR FINISH SCHEDULE

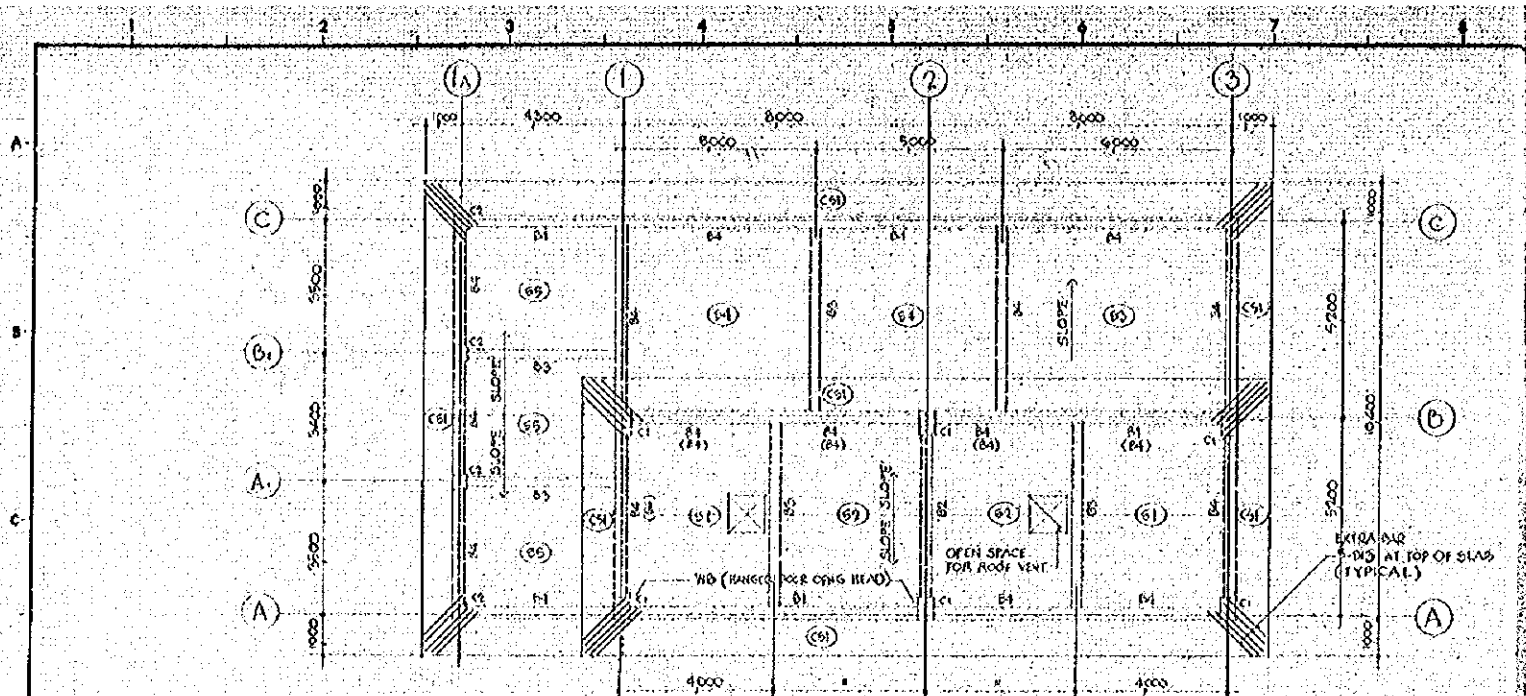
PART	MATERIAL	FINISH	REMARKS
ROOF	CONCRETE	ELASTOMERIC ROOFING FINISH	
WALL	CONCRETE & CONC. BLOCK	SPRAYED COLORED CEMENT MORTAR	
BASE	CONCRETE	CEMENT MORTAR STEEL TROWEL	
SOFFIT	CONCRETE	SPRAYED COLORED CEMENT MORTAR	
DOOR FRAME	STEEL	OIL PAINT	
WINDOW FRAME	ALUMINUM	MANUFACTURE FIN.	
LOUVER FRAME	ALUMINUM	MANUFACTURE FIN.	
STOOP	CONCRETE	BROOMED FINISH	

NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT			
PAKISTAN			
—RELATED FACILITIES—			
SUB STATION			
LOCATION OF			
FLOOR PLAN, ELEVATIONS, SECTION & FINISH SCHEDULES			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. No.	
1 : 100			
DATE	DWG. NO. A-301		

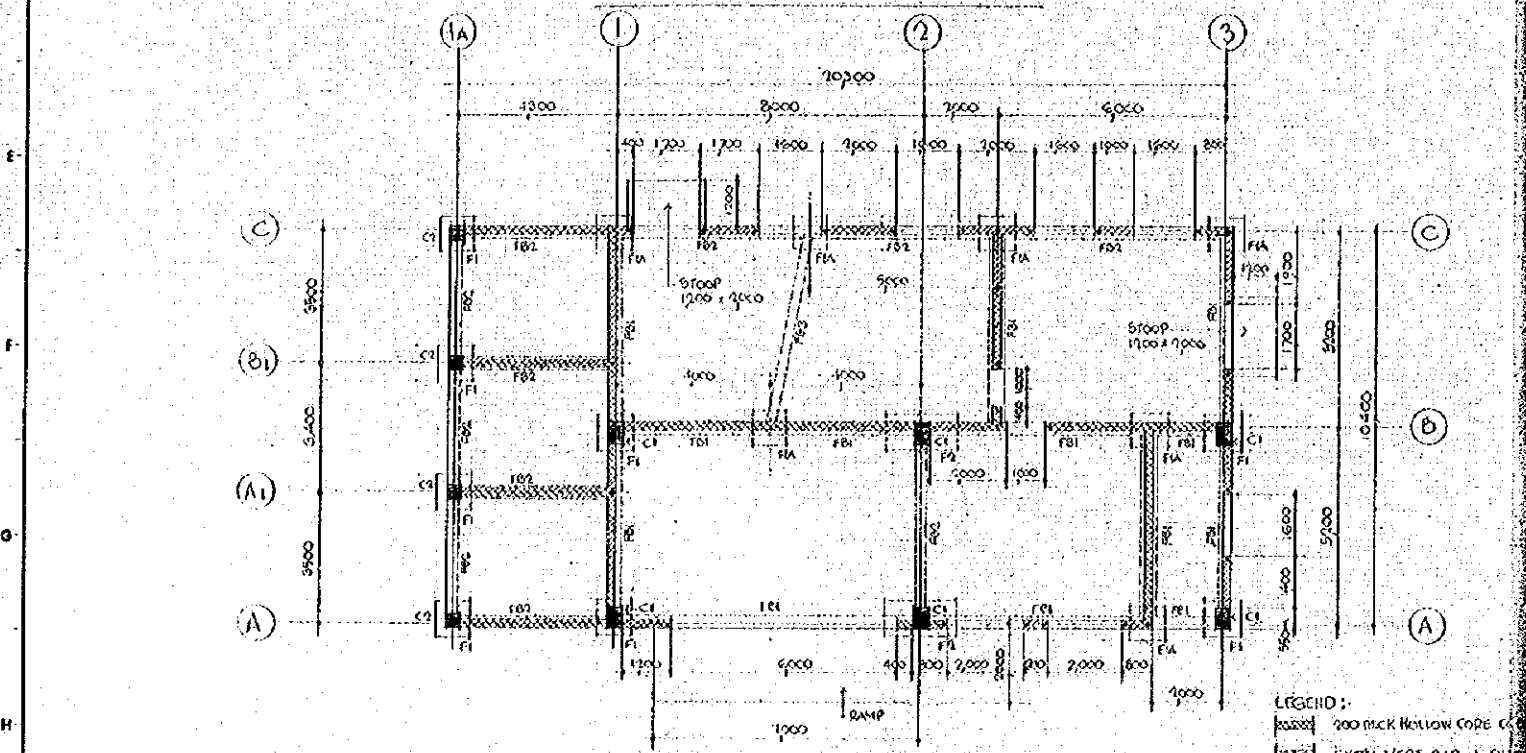


GENERAL NOTES

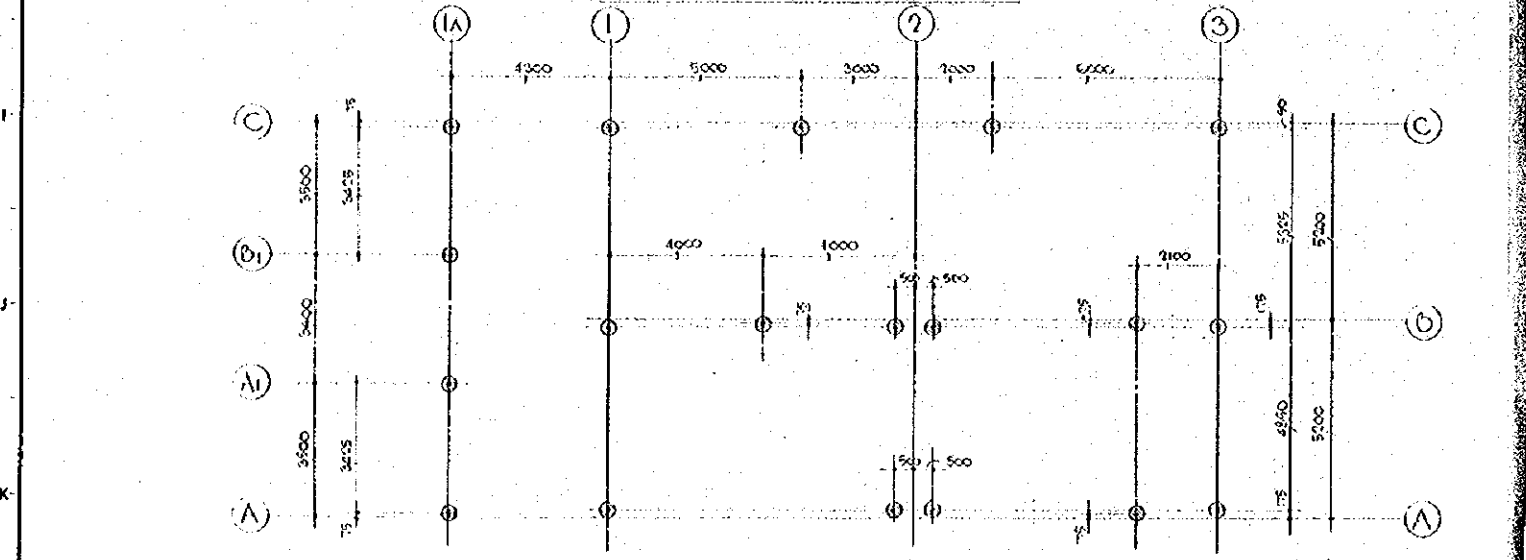
NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
RELATED FACILITIES			
SUB STATION			
LOCATION OF WALL SECTIONS			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. NO.	
1 : 30			
DATE		DWG. NO. A-302	



ROOF FRAMING PLAN scale 1/60



FOUNDATION PLAN scale 1/60



PILE LAYOUT PLAN scale 1/60

LEGEND:-
 200 THICK HOLLOW CORE CONC. BLOCK
 EXTRA VERT. BAR 1-DIG REINFORCING JAMB & CORNER OF CONC. WALL

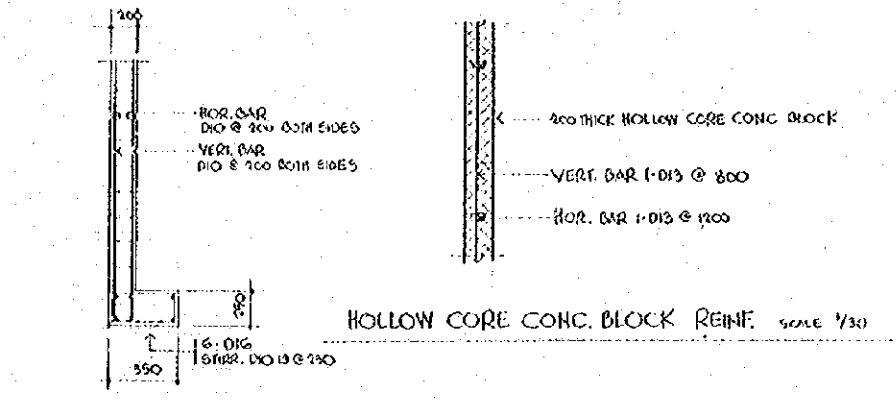
LEGEND:-
 REINF. CONC. PILE, 100 x 100

BEAM LIST scale 1/30

MARK	B1	B2	B3
SIZE	300 x 700 (b x D)	300 x 700	350 x 500
PART	END	MIDSPAN	END
SECTION			
TOP BAR	5-D22	2-D22	1-D22
MIDDLE BAR	1-D10	7-D10	2-D11
BOTT. BAR	3-D22	5-D22	3-D22
STIRRUPS	D10 @ 250	D10 @ 150	D10 @ 300
MARK	F1	F2	F3
SIZE	CON'T.	CON'T.	CON'T.
PART	300 x 600	350 x 750	400 x 400
SECTION			
TOP BAR	3-D11	1-D22	3-D22
MIDDLE BAR	1-D10	2-D10	3-D22
BOTT. BAR	3-D11	1-D22	3-D22
STIRRUPS	D10 @ 300	D10 @ 300	D10 @ 300

COLUMN LIST scale 1/30

MARK	C1	C2
PART	CON'T.	CON'T.
SECTION		
VERT. BAR	6-D25	6-D25
HOOPS	D10 @ 300	D10 @ 300
DIAG. BAR	D10 @ 900	D10 @ 900



WD (HANGER DOOR OPNS. HEAD) DETAIL scale 1/30

GENERAL NOTES

REF. BAR SYMBOL
 D10
 x D15
 + D16
 o D19
 j D22
 e D25

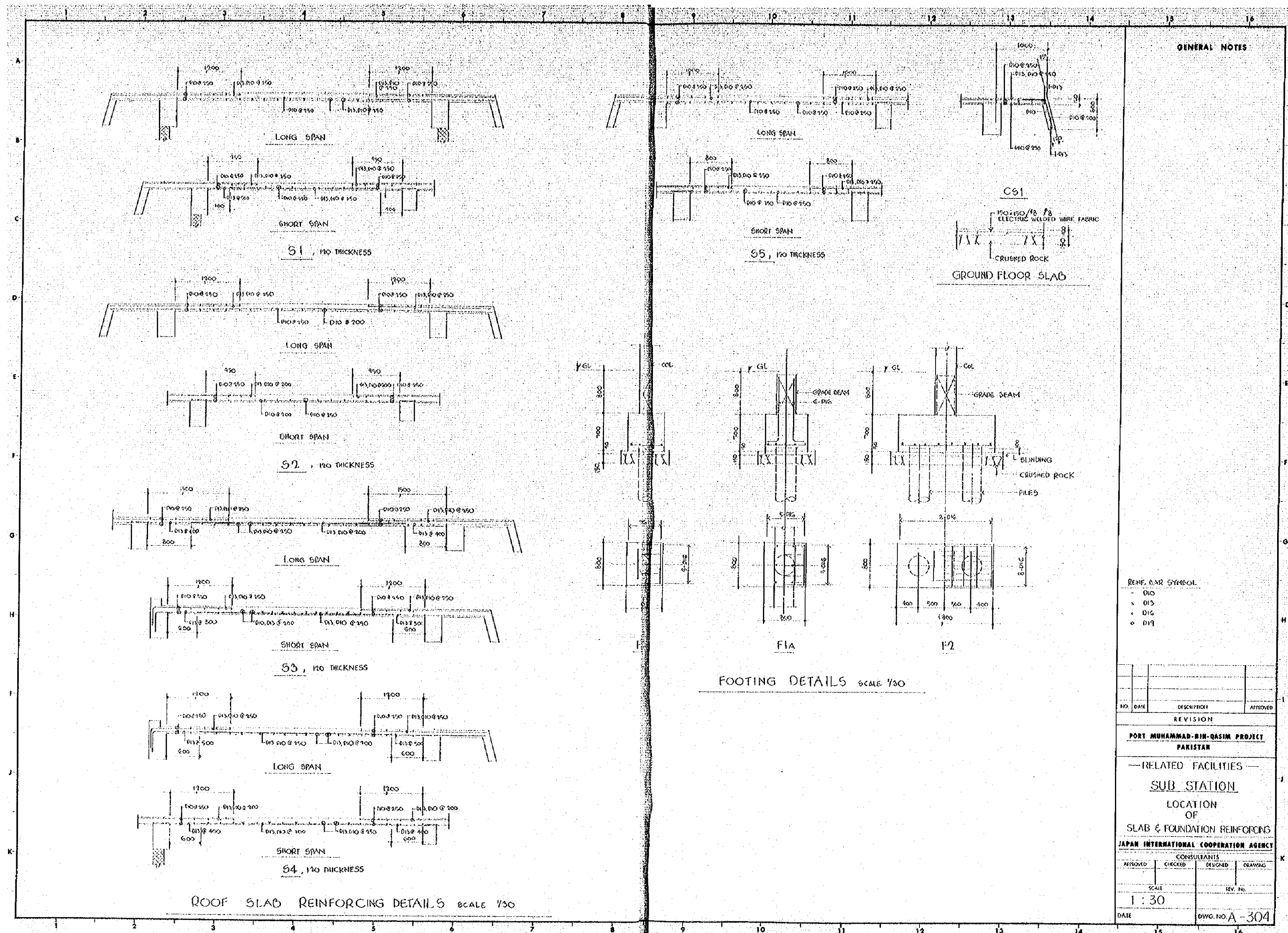
NO.	DATE	DESCRIPTION	APPROVED
REVISION			

PORT MUHAMMAD-SIN-QASIM PROJECT
Pakistan

--- RELATED FACILITIES ---
SUB STATION
 LOCATION OF
 PILE LAYOUT, FOUNDATION & ROOF
 PLANS AND BEAM, COLUMN LISTS

JAPAN INTERNATIONAL COOPERATION AGENCY

CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. NO.	
AS SHOWN			
DATE	DWG. NO. A-303		



GENERAL NOTES

- REF. BAR SYMBOL
- D10
 - x D13
 - + D16
 - o D19

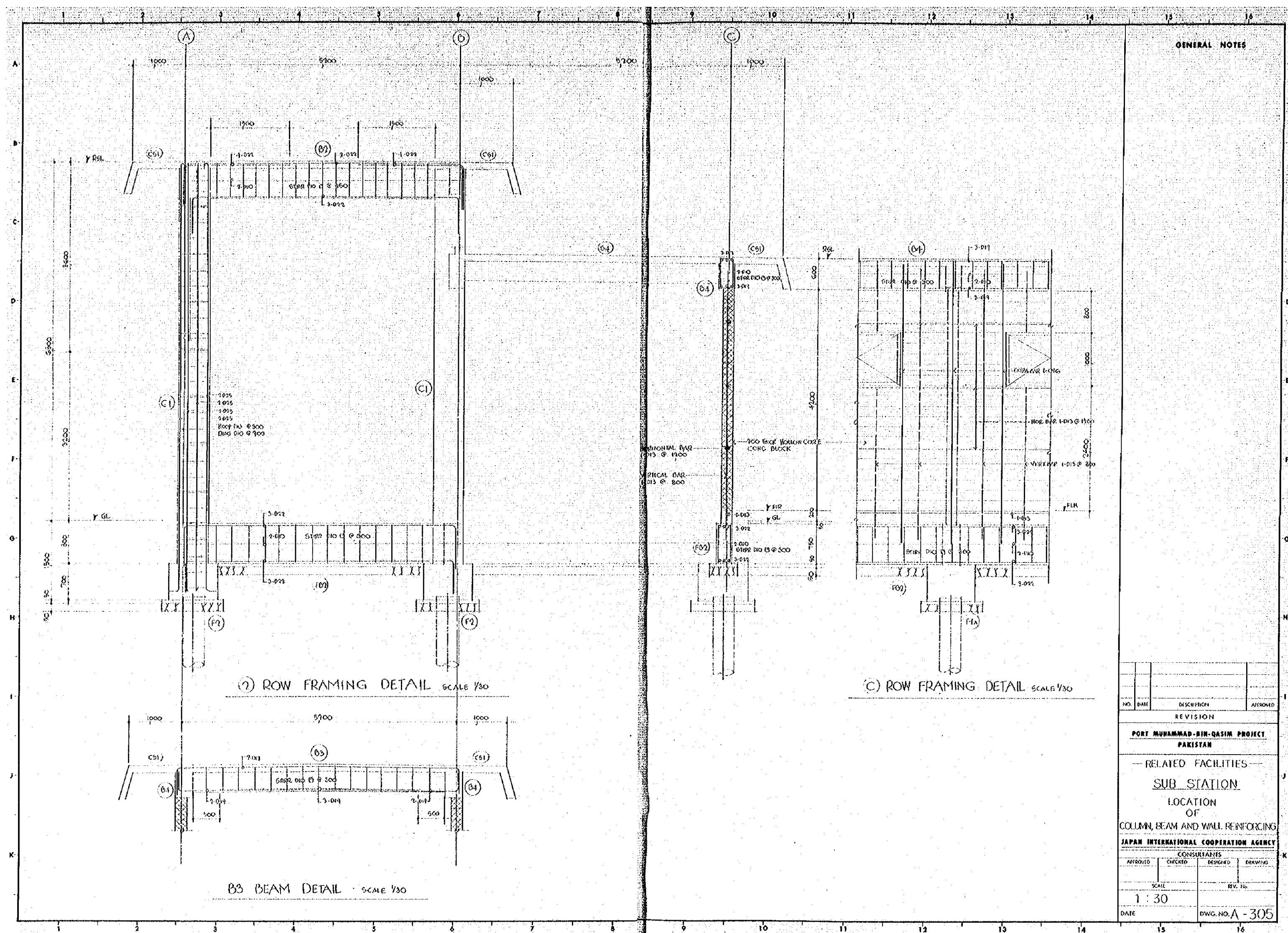
NO.	DATE	DESCRIPTION	APPROVED
REVISION			

PORT MUHAMMAD-BIR-QASIM PROJECT
PAKISTAN

—RELATED FACILITIES—
SUB STATION
LOCATION OF
SLAB & FOUNDATION REINFORCING

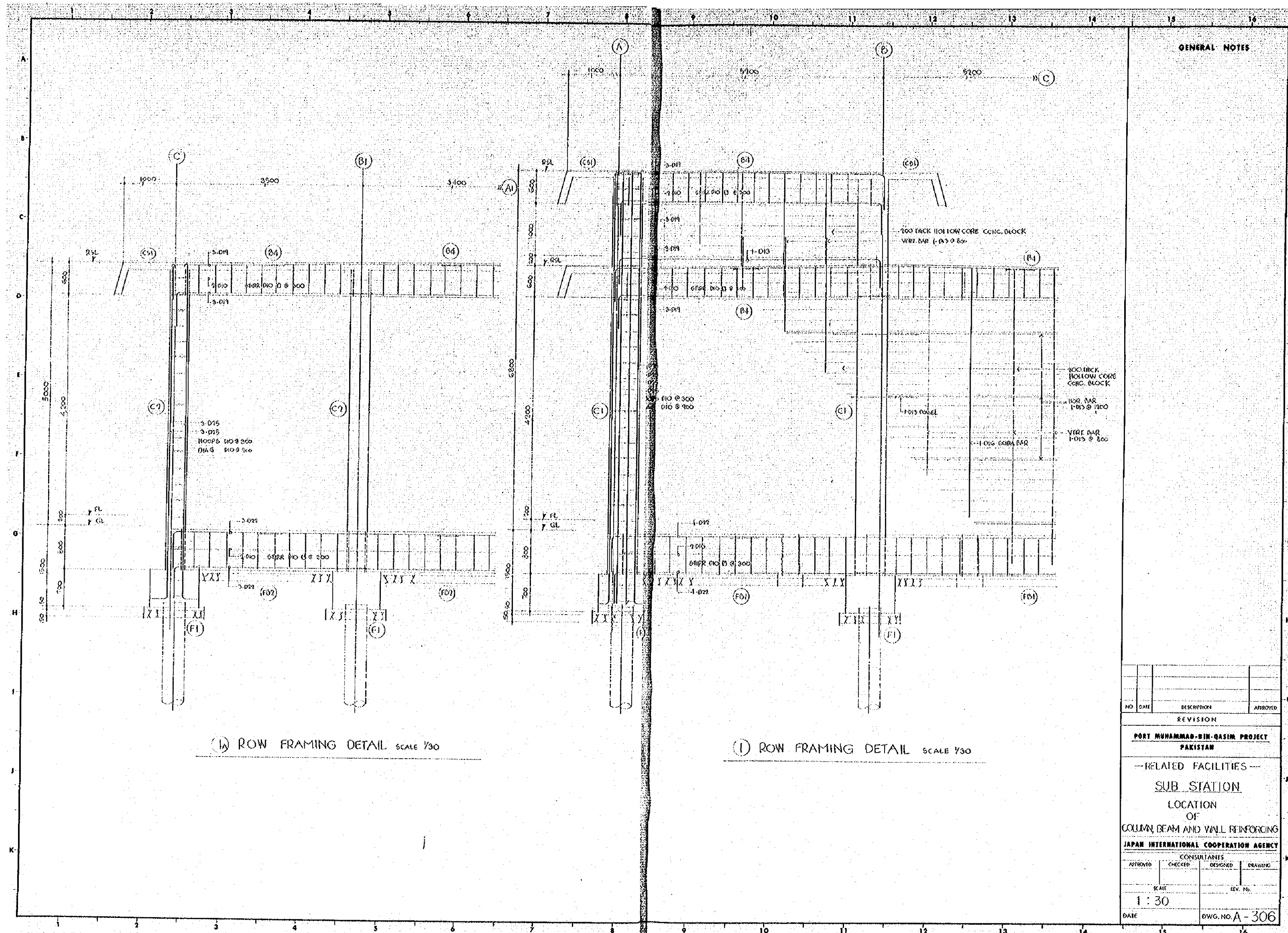
JAPAN INTERNATIONAL COOPERATION AGENCY

CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. NO.	
1 : 30			
DATE		DWG. NO. A-304	



GENERAL NOTES

NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
— RELATED FACILITIES —			
SUB STATION			
LOCATION OF			
COLUMN, BEAM AND WALL REINFORCING			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. No.	
1 : 30			
DATE		DWG. NO. A - 305	

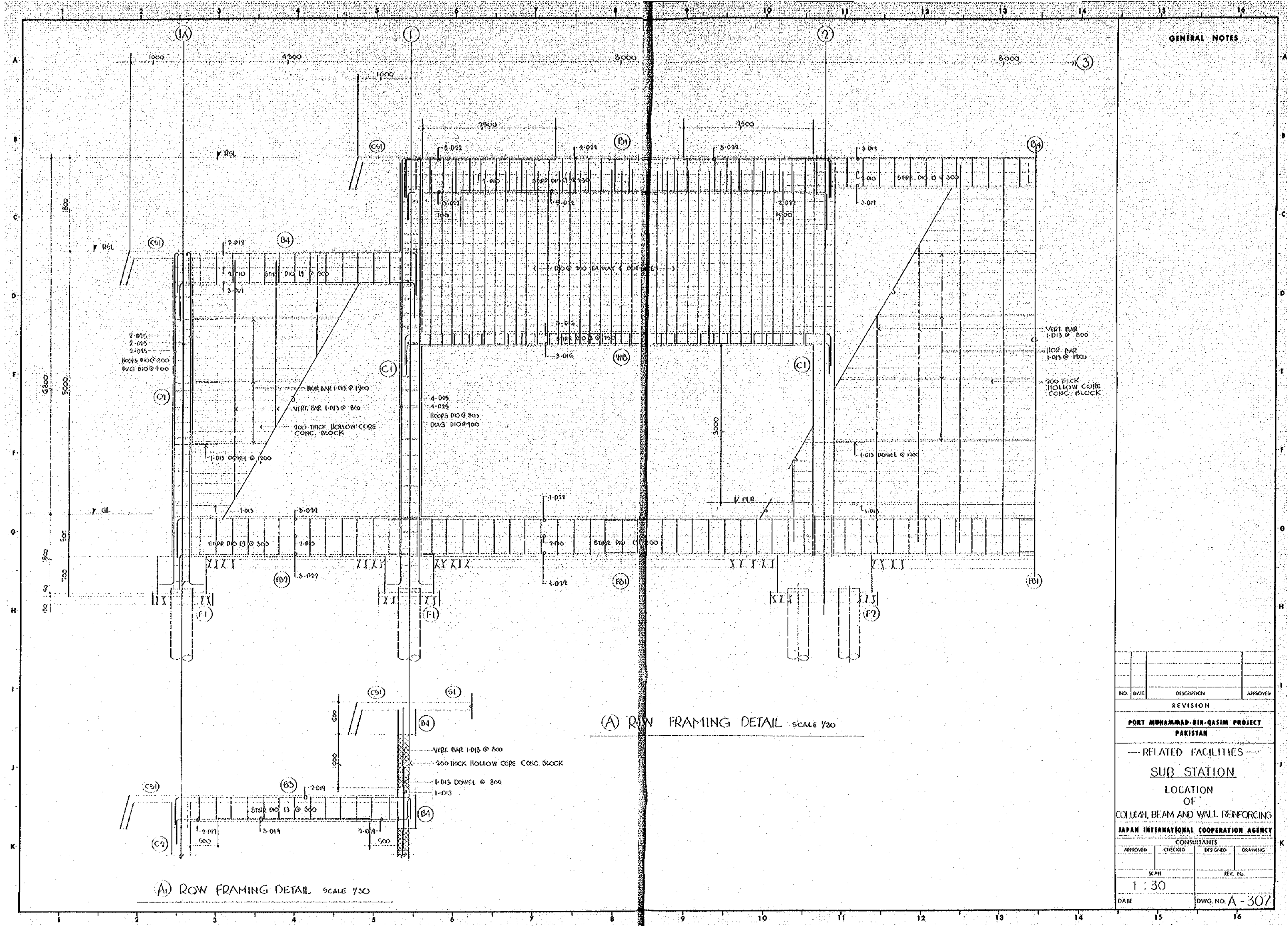


GENERAL NOTES

(A) ROW FRAMING DETAIL SCALE 1/30

(B) ROW FRAMING DETAIL SCALE 1/30

NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
---RELATED FACILITIES---			
SUB STATION LOCATION OF COLUMN BEAM AND WALL REINFORCING			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. NO.	
1 : 30			
DATE		DWG. NO. A-306	



GENERAL NOTES

VERT. BAR
1-Ø13 @ 200

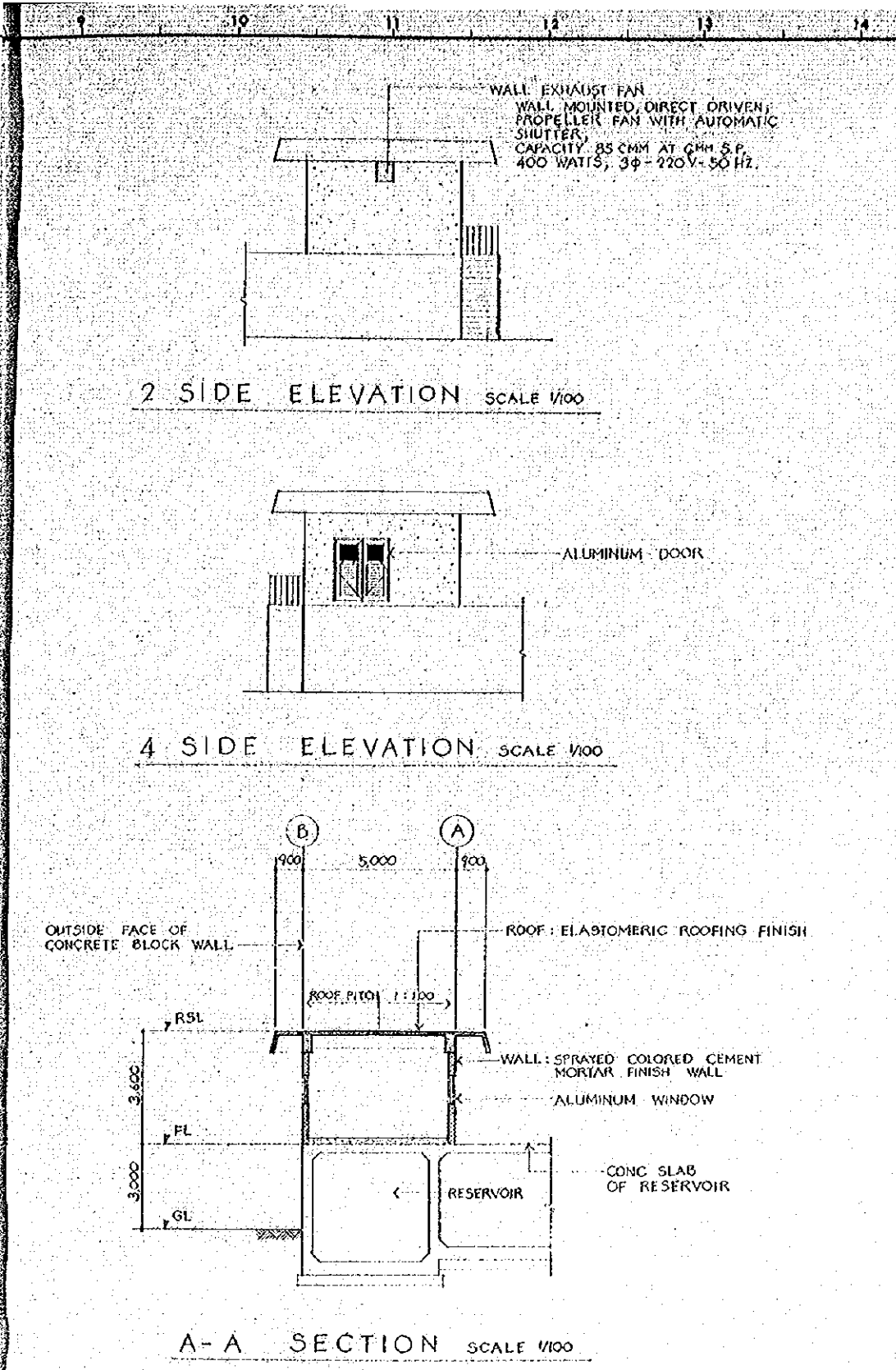
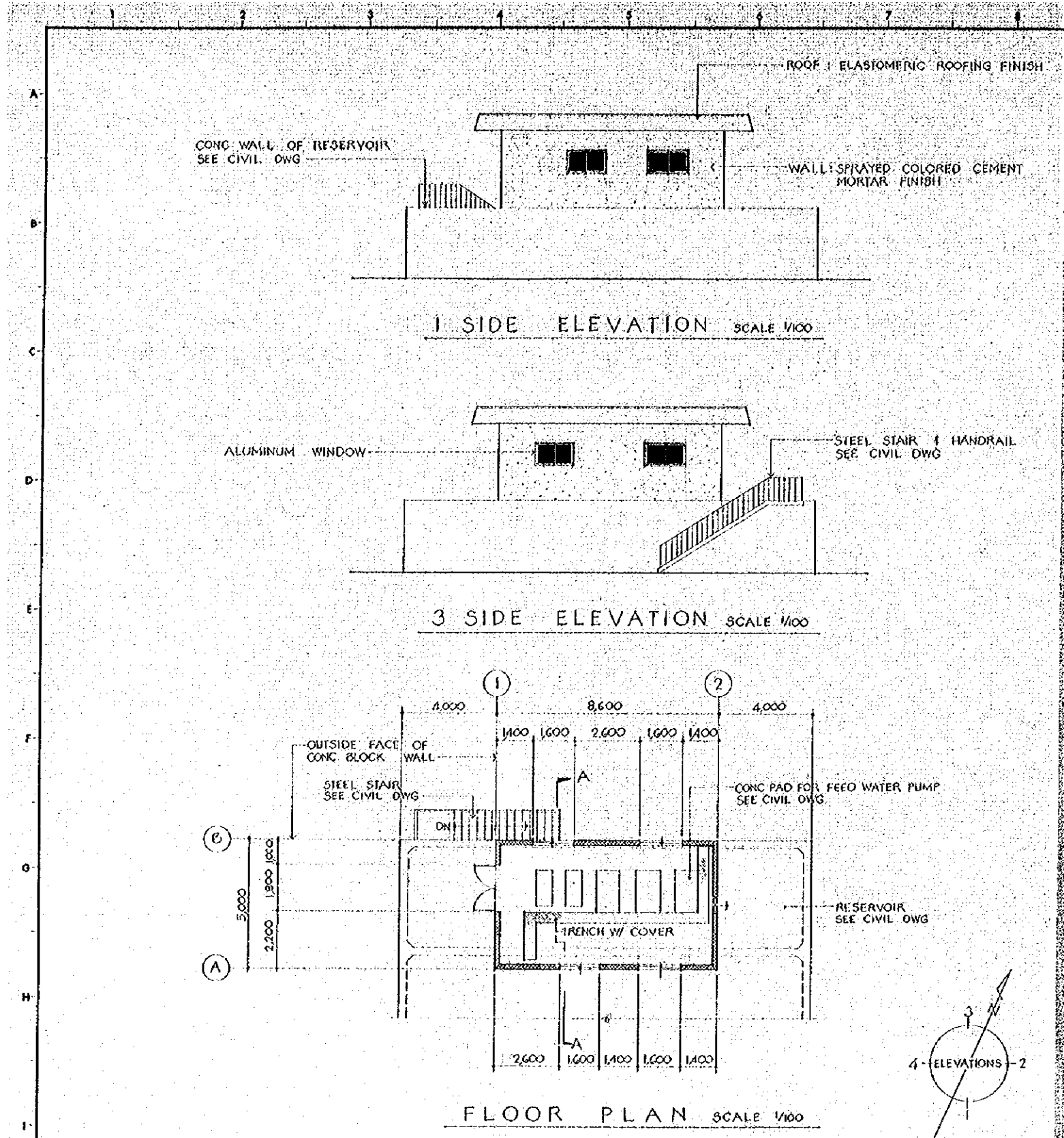
HOR. BAR
1-Ø13 @ 1200

200 THICK
HOLLOW CORE
CONC. BLOCK

(A) ROW FRAMING DETAIL SCALE 1/30

(A1) ROW FRAMING DETAIL SCALE 1/30

NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
--- RELATED FACILITIES ---			
SUB STATION			
LOCATION			
OF			
COURT, BEAM AND WALL REINFORCING			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. NO.	
1 : 30			
DATE		DWG. NO. A - 307	



GENERAL NOTES

WALL EXHAUST FAN
WALL MOUNTED, DIRECT DRIVEN
PROPELLER FAN WITH AUTOMATIC
SHUTTER
CAPACITY: 85 CMH AT 0MM S.P.
400 WATTS, 3φ - 220V - 50 HZ.

ALUMINUM WINDOW

ALUMINUM DOOR

ROOF: ELASTOMERIC ROOFING FINISH

WALL: SPRAYED COLORED CEMENT
MORTAR FINISH

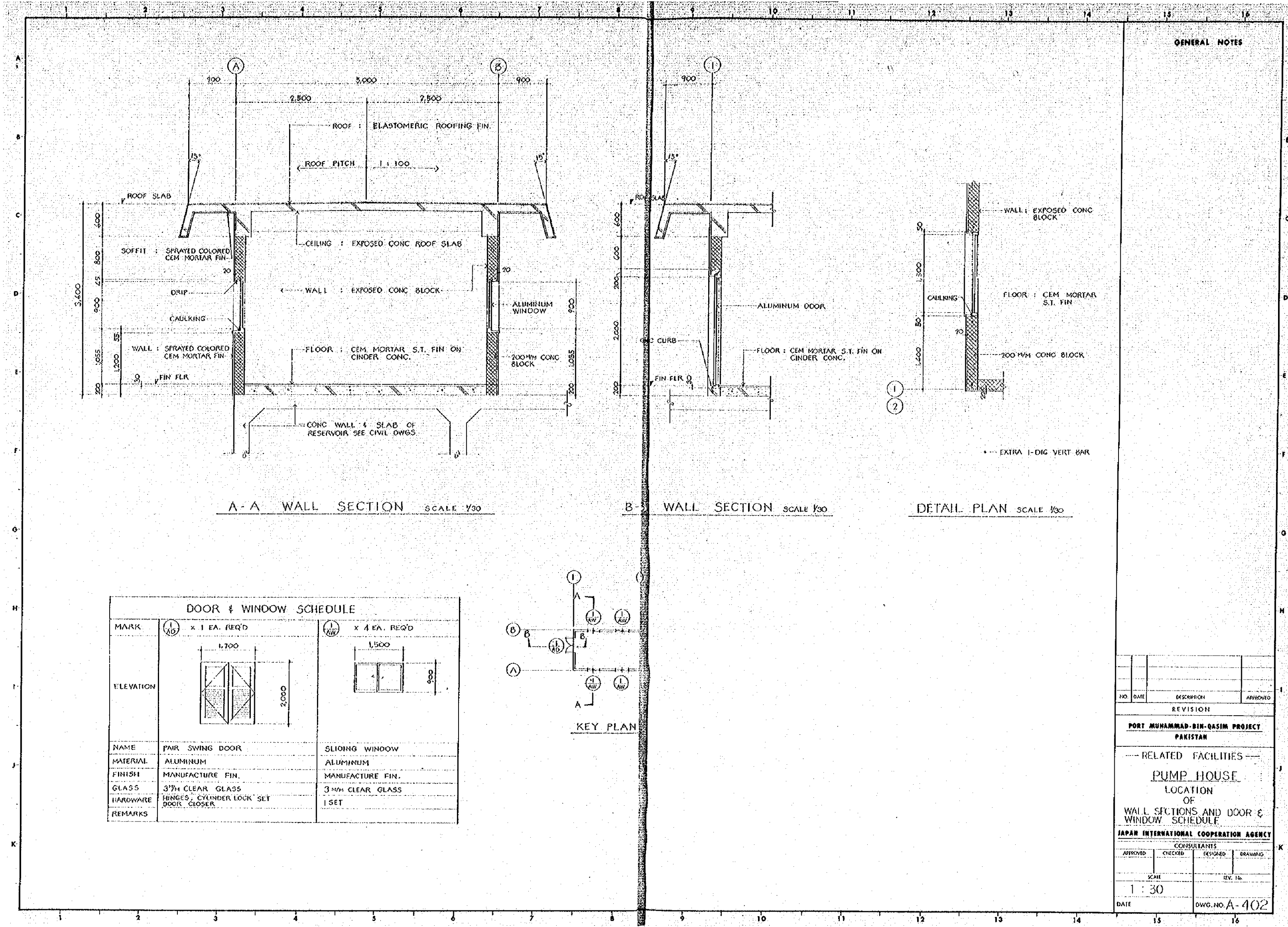
ALUMINUM WINDOW

CONC. SLAB
OF RESERVOIR

INTERIOR FINISH SCHEDULE				
PART	MATERIAL	FINISH	HGT	REMARKS
FLOOR	CEMENT MORTAR	STEEL TROWEL	---	---
BASE	CONCRETE BLOCK	V. P.	100	---
WAINSCOT	---	---	---	---
WALL	EXPOSED CONCRETE BLOCK	V. P.	---	---
CEILING	EXPOSED CONCRETE	V. P.	VARIES	---

EXTERIOR FINISH SCHEDULE				
PART	MATERIAL	FINISH	HGT	REMARKS
ROOF	CONCRETE	ELASTOMERIC ROOFING FINISH	---	---
WALL	CONCRETE CONCRETE BLOCK	SPRAYED COLORED CEMENT MORTAR	---	---
SOFFIT	CONCRETE	SPRAYED COLORED CEMENT MORTAR	---	---
DOOR & FRAM.	ALUMINUM	MANUFACTURE FINISH	---	---
WINDOW & FRAME	ALUMINUM	MANUFACTURE FINISH	---	---

NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
--- RELATED FACILITIES ---			
PUMP HOUSE			
LOCATION OF			
FLOOR PLAN, ELEVATIONS, SECTION & FINISH SCHEDULES			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. NO.	
1 : 100			
DATE		DWG. NO. A-401	



GENERAL NOTES

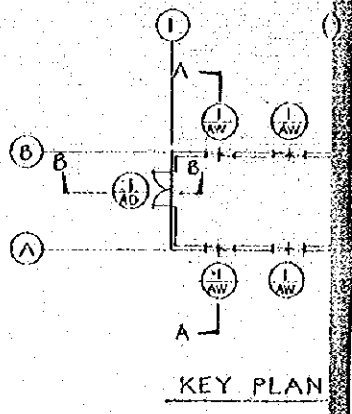
A-A WALL SECTION SCALE 1/30

B-B WALL SECTION SCALE 1/30

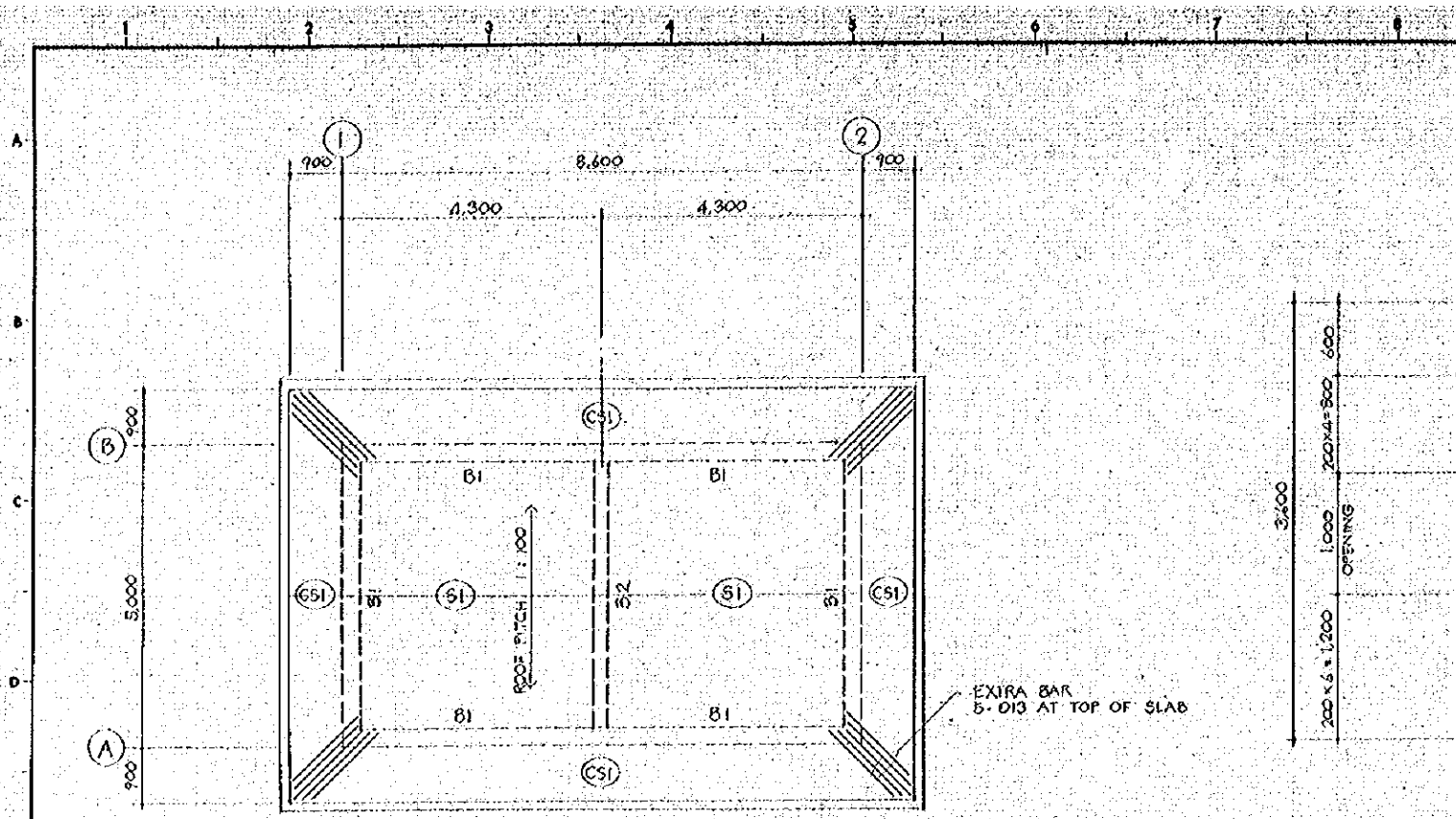
DETAIL PLAN SCALE 1/30

DOOR & WINDOW SCHEDULE

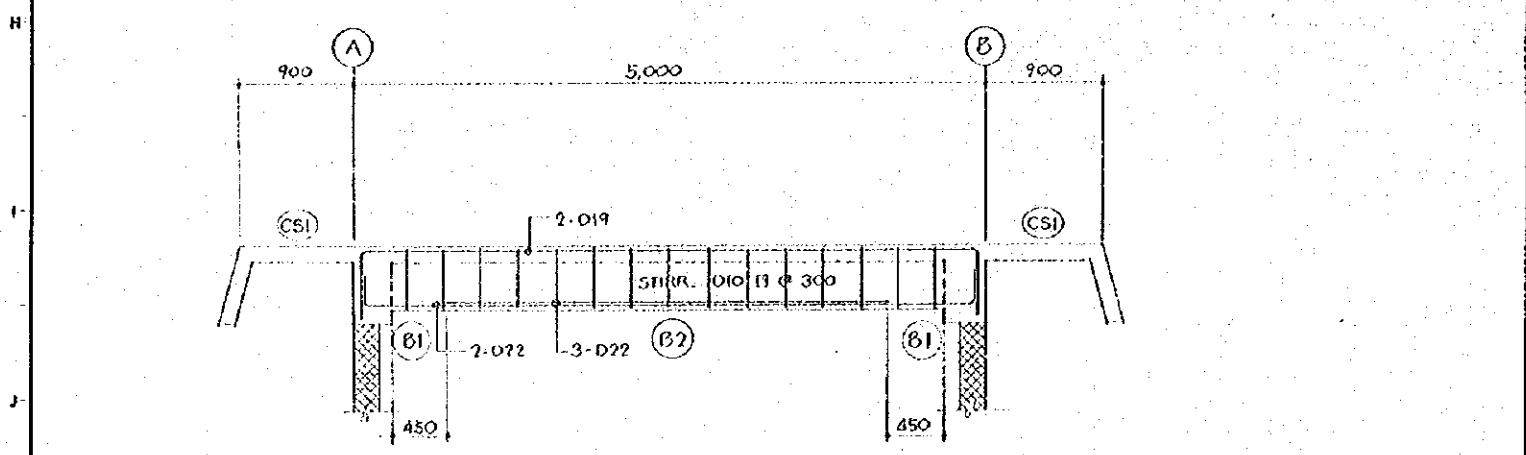
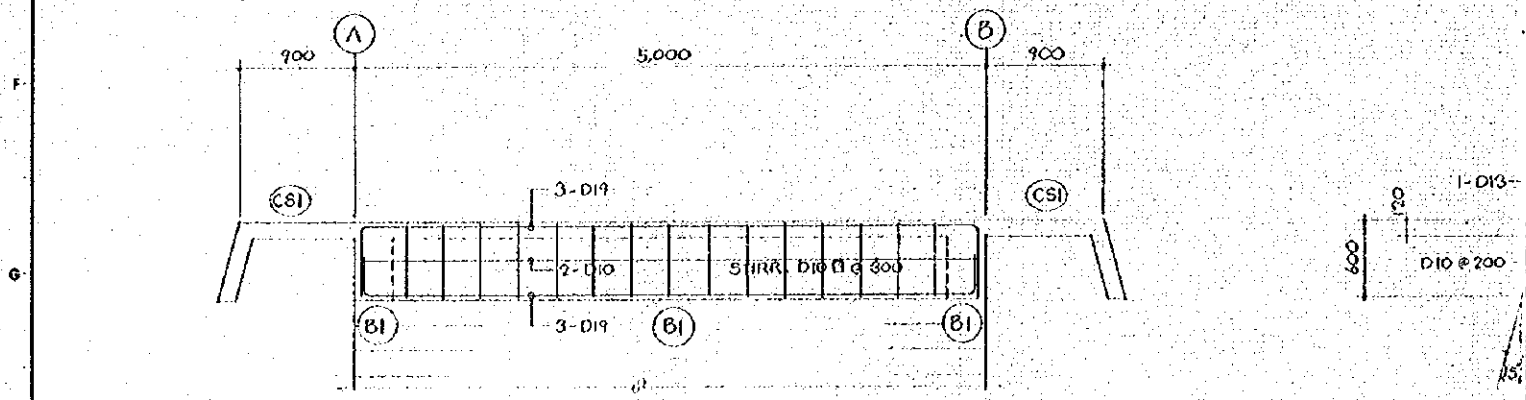
MARK	(1) x 1 EA. REQ'D	(1) x 4 EA. REQ'D
ELEVATION		
NAME	PAIR SWING DOOR	SLIDING WINDOW
MATERIAL	ALUMINUM	ALUMINUM
FINISH	MANUFACTURE FIN.	MANUFACTURE FIN.
GLASS	3MM CLEAR GLASS	3MM CLEAR GLASS
HARDWARE	HINGES, CYLINDER LOCK SET DOOR CLOSER	1 SET
REMARKS		



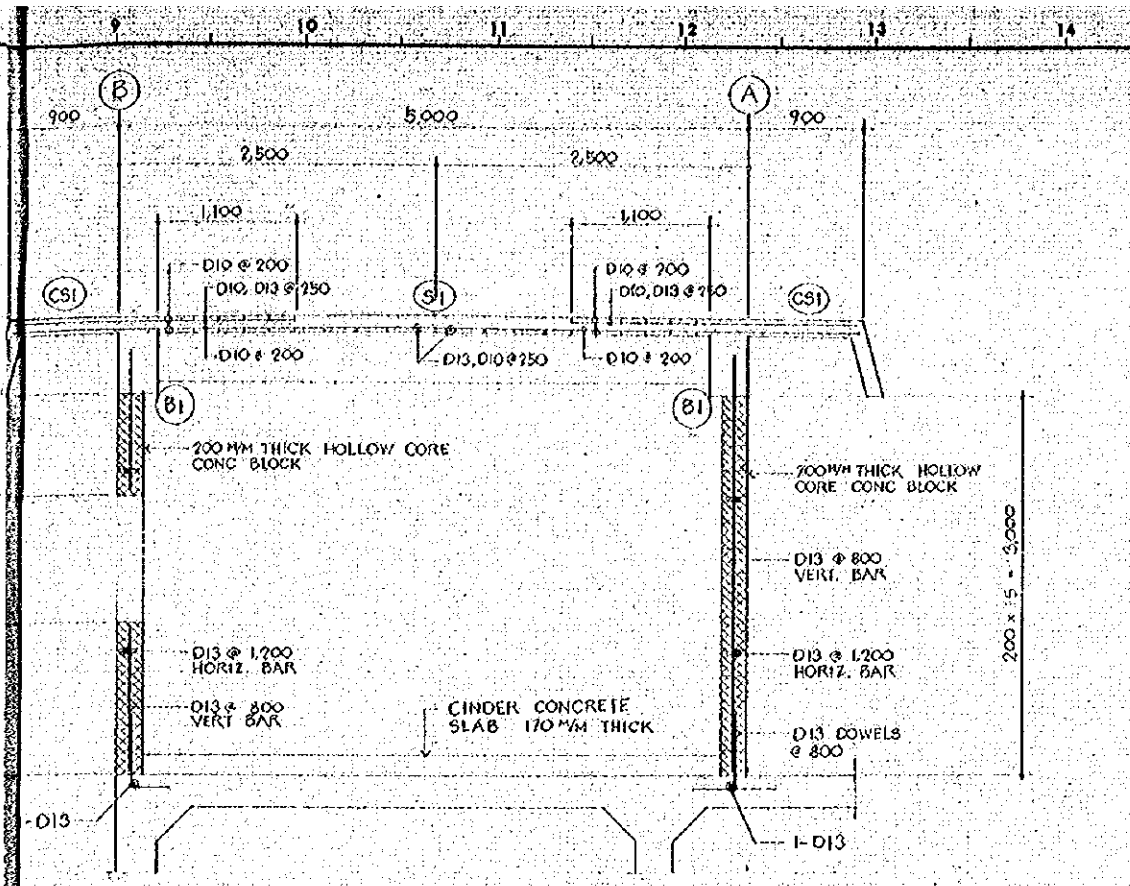
NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
— RELATED FACILITIES —			
PUMP HOUSE			
LOCATION OF WALL SECTIONS AND DOOR & WINDOW SCHEDULE			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. IS	
1 : 30			
DATE	DWG. NO. A-402		



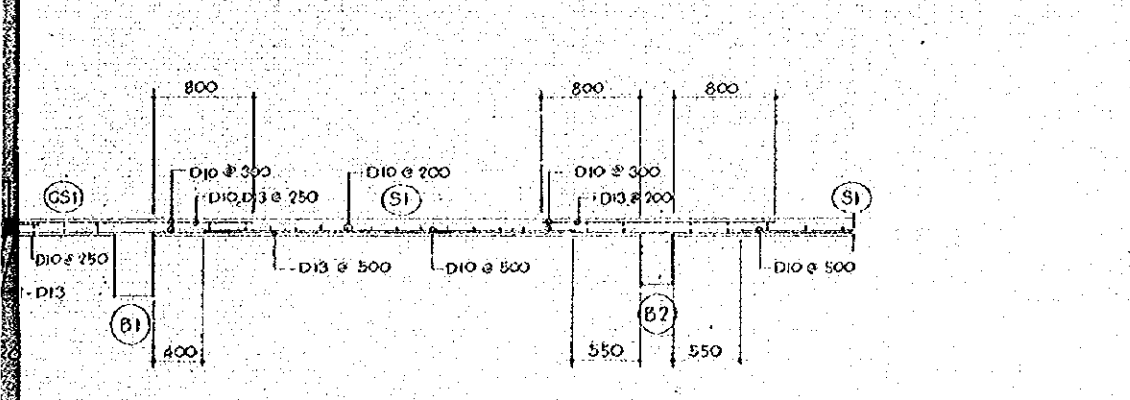
ROOF FRAMING PLAN SCALE 1/60



B1 & B2 BEAM REINF DETAILS SCALE 1/30



SLAB & WALL REINF. DETAIL (LONG SPAN) SCALE 1/30



SLAB THICKNESS 120 MM
S1 SLAB REINF. DETAIL (SHORT SPAN) SCALE 1/30

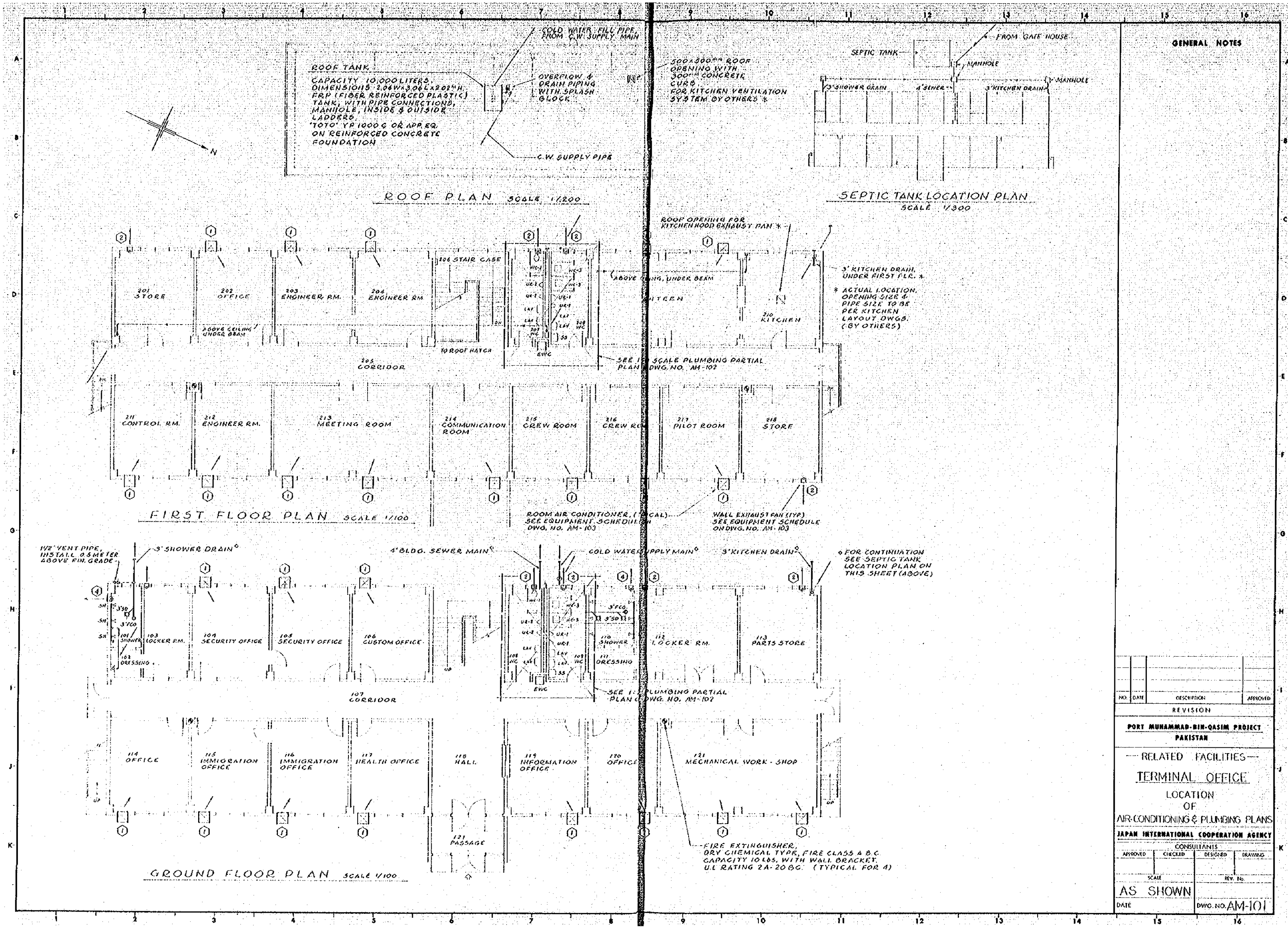
BEAM LIST

MARK	B1	B2	
SIZE b x d	300 x 600	250 x 500	
PART	CONTINUOUS	END	MIDSPAN
SECTION			
TOP BAR	3-D19	2-D19	2-D19
MIDDLE BAR	2-D10		
BOTTOM BAR	3-D19	2-D22	3-D22
STIRRUPS	D10 @ 300	D10 @ 300	

GENERAL NOTES

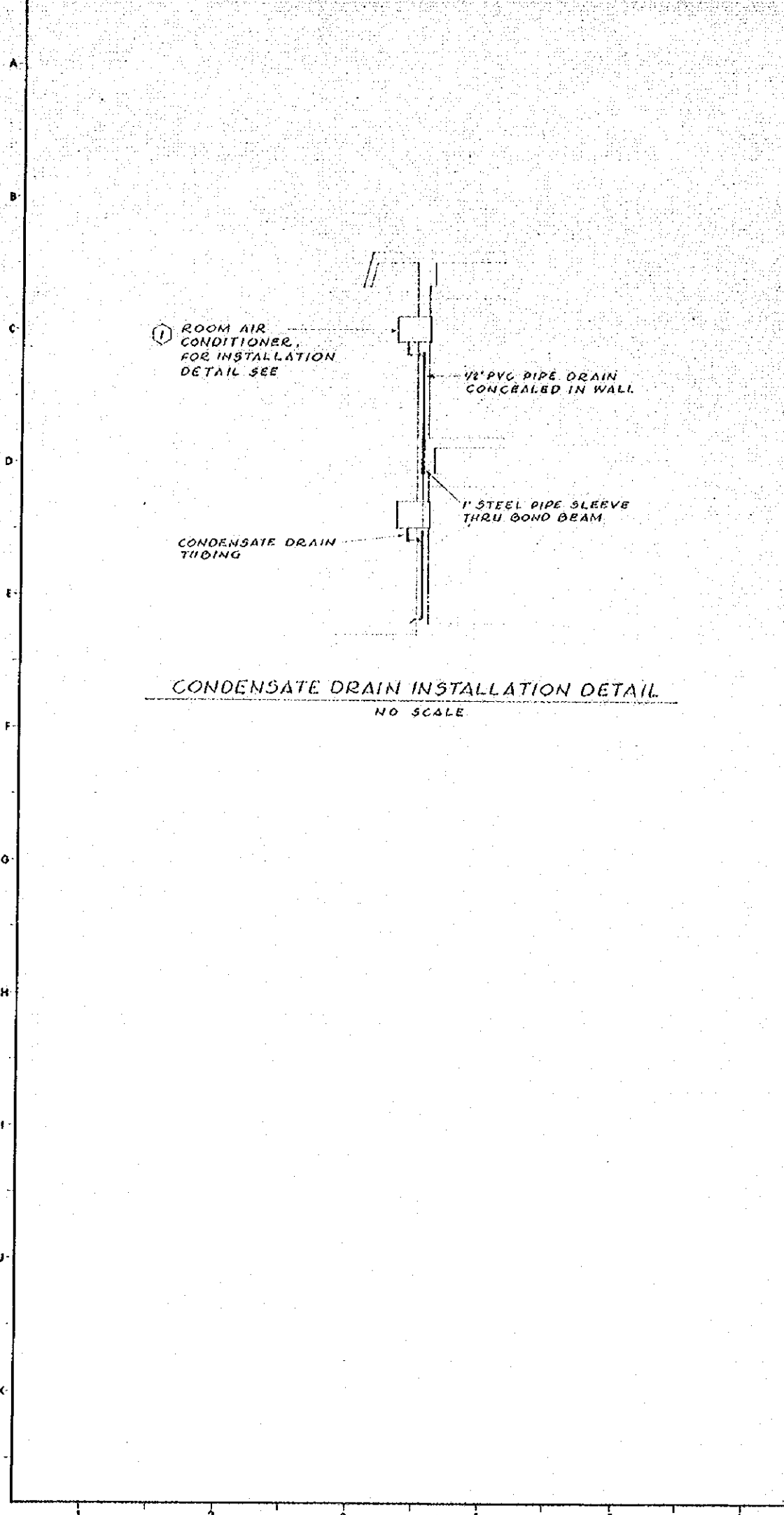
REINF. SYMBOL
 - D10
 x D13
 o D19
 # D22

NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-SIN-QASIM PROJECT PAKISTAN			
RELATED FACILITIES PUMP HOUSE			
LOCATION OF SLAB & BEAM REINFORCING			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. 750	
AS SHOWN		DWG. NO. A-403	
DATE			



GENERAL NOTES

NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
— RELATED FACILITIES — TERMINAL OFFICE			
LOCATION OF AIR-CONDITIONING & PLUMBING PLANS			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. NO.	
AS SHOWN			
DATE	DWG. NO. AM-101		



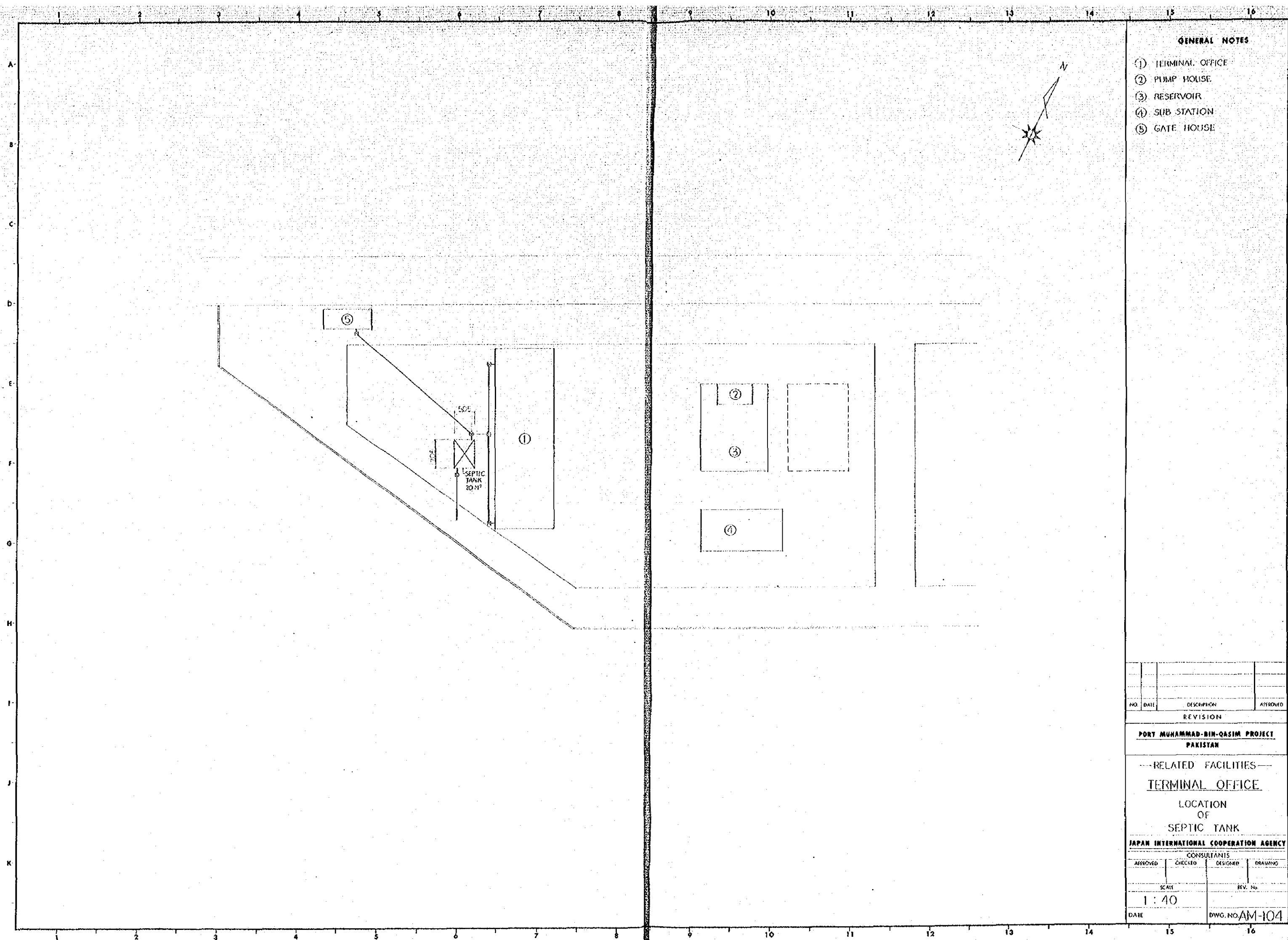
EQUIPMENT SCHEDULE		
SYM	DESCRIPTION AND ACCEPTABLE MANUFACTURER	QTY
①	ROOM AIR CONDITIONER WALL MOUNTED, SELF-CONTAINED, COOLING CAPACITY 5.370 KCAL/HR OR 1.75 REF TONS. FAN CAPACITY 12.7 CMM, AIR FLOW THRU 15.2 METER. 2.9 LITERS PER HOUR. FINE PARTICLE REMOVAL. 15.5 AMPS. 19-220V-50HZ. NET DIMENSIONS 470H X 670W X 630MM D. WEIGHT 82 KILOGRAMS. CARRIER COSMOPOLITAN 400, MODEL SIFA 3217 OR APPROVED EQUAL.	24
②	WALL EXHAUST FAN NO. 1 WALL MOUNTED DIRECT DRIVEN, PROPELLER FAN WITH GRAVITY CUTTER. RATED CAPACITY 16.5 CMM, 41.0 WATTS, 19-220V-50HZ. 4-POLES, 200MM FAN DIA. KURITA VENTILATING FAN MODEL VF-10, OR APP. EQ.	8
③	WALL EXHAUST FAN NO. 2 SAME AS EXHAUST FAN NO. 1 EXCEPT RATED CAPACITY 6.0 CMM, 10 WATTS, 19-220V-50HZ. 4-POLES, 200MM FAN DIA. KURITA VENTILATING FAN MODEL VF-8, OR APP. EQ.	1
④	WALL EXHAUST FAN NO. 3 FOR SHOWER ROOMS. SAME AS EXHAUST FAN NO. 1 EXCEPT MOISTURE-PROOF TYPE AND CAPACITY 12.0 CMM, 30 WATTS, 19-220V-50HZ. 4-POLES, 260MM FAN DIA. KURITA VENTILATING FAN MODEL WVPY-10, OR APP. EQ.	2

NOTES:
1. WHERE EQUIPMENT OF ONE MANUFACTURE IS SPECIFIED APPROVED EQUAL EQUIPMENT OF ANOTHER MAY BE SUPPLIED.
2. ALL EQUIPMENT HORSE POWERS INDICATED ON SCHEDULE ARE APPROXIMATE ACTUAL REQUIRED HORSE POWER TO BE AS RECOMMENDED BY MANUFACTURERS.

PLUMBING FIXTURE SCHEDULE		
SYM	DESCRIPTION AND ACCEPTABLE MANUFACTURER	QTY
WC-1	WATER CLOSET NO. 1 VITREOUS-CHINA, FLUSH VALVE, SIPHONIC WASH DOWN, WITH SUPPLY & WASTE TRIM ASSEMBLY AND PAPER HOLDER. 'TOTO' C-21 OR APPROVED EQUAL.	1
WC-2	WATER CLOSET NO. 2 SAME AS WC-1 EXCEPT WITH FLUSH TANK. 'TOTO' C-21 OR APP. EQ.	1
WC-3	WATER CLOSET NO. 3 VITREOUS-CHINA, ASIAN TYPE, WITH FLUSH TANK SUPPLY & WASTE TRIM ASSEMBLY AND PAPER HOLDER. SEE DETAIL ON DWG. NO. AM-102.	4
UR-1	URINAL NO. 1 VITREOUS-CHINA, WALL HUNG, INTEGRAL TRAP WITH FLUSH VALVE, SUPPLY & WASTE TRIM ASSEMBLY. 'TOTO' U-23 OR APP. EQ.	4
UR-2	URINAL NO. 2 SAME AS UR-1 EXCEPT MODEL 'TOTO' U-37 OR APP. EQ.	4
LAV	LAVATORY VITREOUS-CHINA, FLAT TOP WITH ANTI-SPLASH COLD WATER SUPPLY ONLY, SUPPLY & WASTE TRIM ASSEMBLY, SIZE 334 X 432MM. 'TOTO' L-220D OR APP. EQ.	8
SS	SERVICE SINK VITREOUS-CHINA, ON'S TYPE TRAP, COLD WATER SUPPLY ONLY, WITH SUPPLY & WASTE TRIM ASSEMBLY. 'TOTO' SK-22A OR APP. EQ.	2
SH	SHOWER CONCEALED TYPE, COLD WATER SUPPLY ONLY. 'TOTO' TSS-110-75 OR APP. EQ.	9
GS	GLASS SHELF 457 X 127MM. 'TOTO' TS-121B1 OR APP. EQ.	8
M	MIRROR 155 X 608MM - 5MM THICK. 'TOTO' TS-119A55, OR APP. EQ.	8
EWG	ELECTRIC WATER COOLER BUBBLER TYPE, AIR-COOLED CONDENSER, FREE-STANDING, WITH FLOW REGULATOR & GLASS FILLER. TANK CAPACITY 2.5 LITERS. COMPRESSOR 150 WATTS & FAN 2.5 WATTS. 19-220V-50HZ. MITSUBISHI DENKI KK. WP-3000 OR APP. EQ.	2

GENERAL NOTES

NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
--- RELATED FACILITIES ---			
TERMINAL OFFICE			
LOCATION OF			
EQUIPMENT SCHEDULES			
JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. NO.	
AS SHOWN			
DATE	DWG. NO. AM-103		



- GENERAL NOTES**
- ① TERMINAL OFFICE
 - ② PUMP HOUSE
 - ③ RESERVOIR
 - ④ SUB STATION
 - ⑤ GATE HOUSE

NO.	DATE	DESCRIPTION	APPROVED

REVISION

PORT MUHAMMAD-BIN-QASIM PROJECT
PAKISTAN

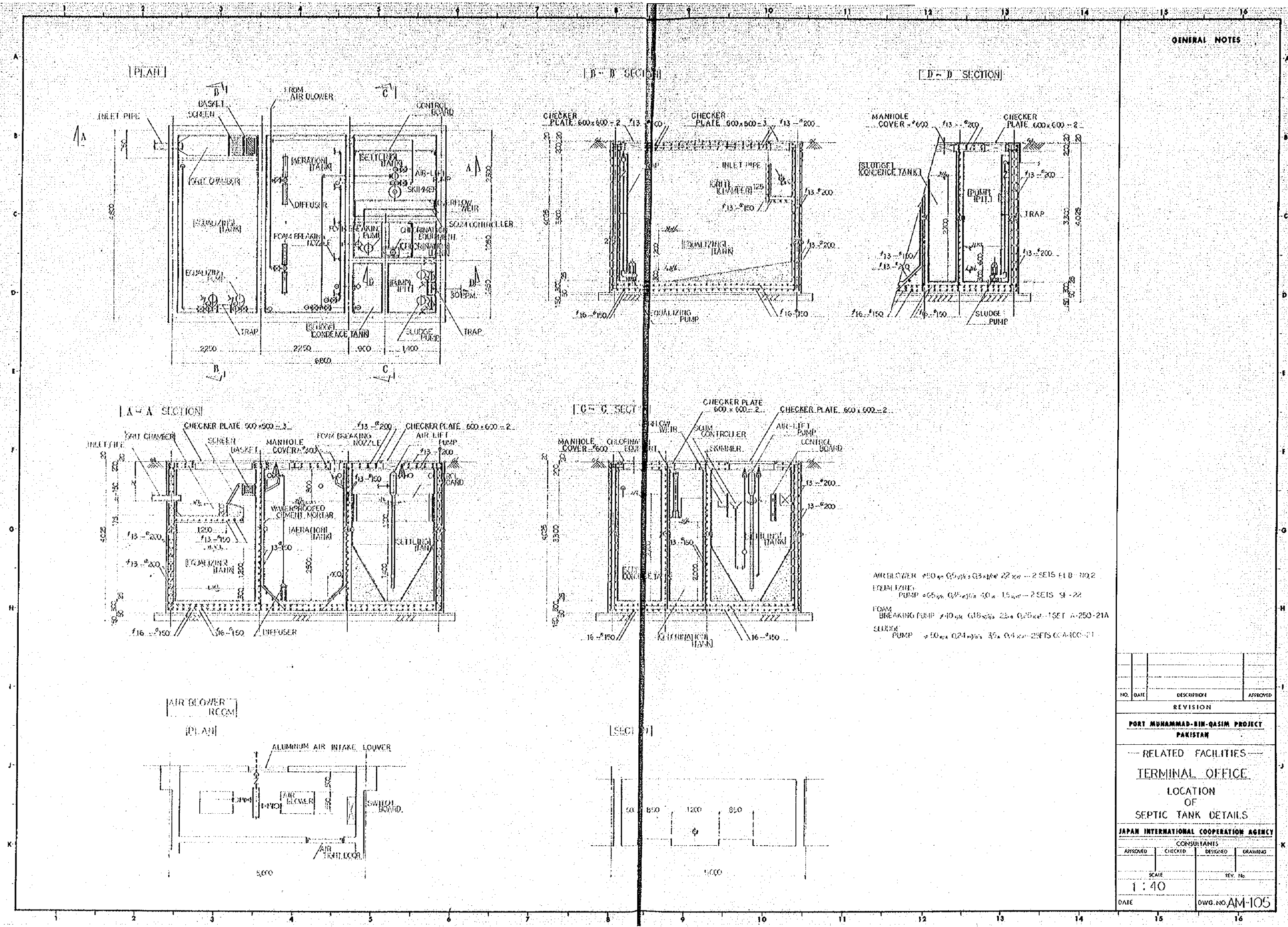
--- RELATED FACILITIES ---

TERMINAL OFFICE

LOCATION OF SEPTIC TANK

JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANTS

APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. No.	
1 : 40			
DATE		DWG. NO. AM-104	



GENERAL NOTES

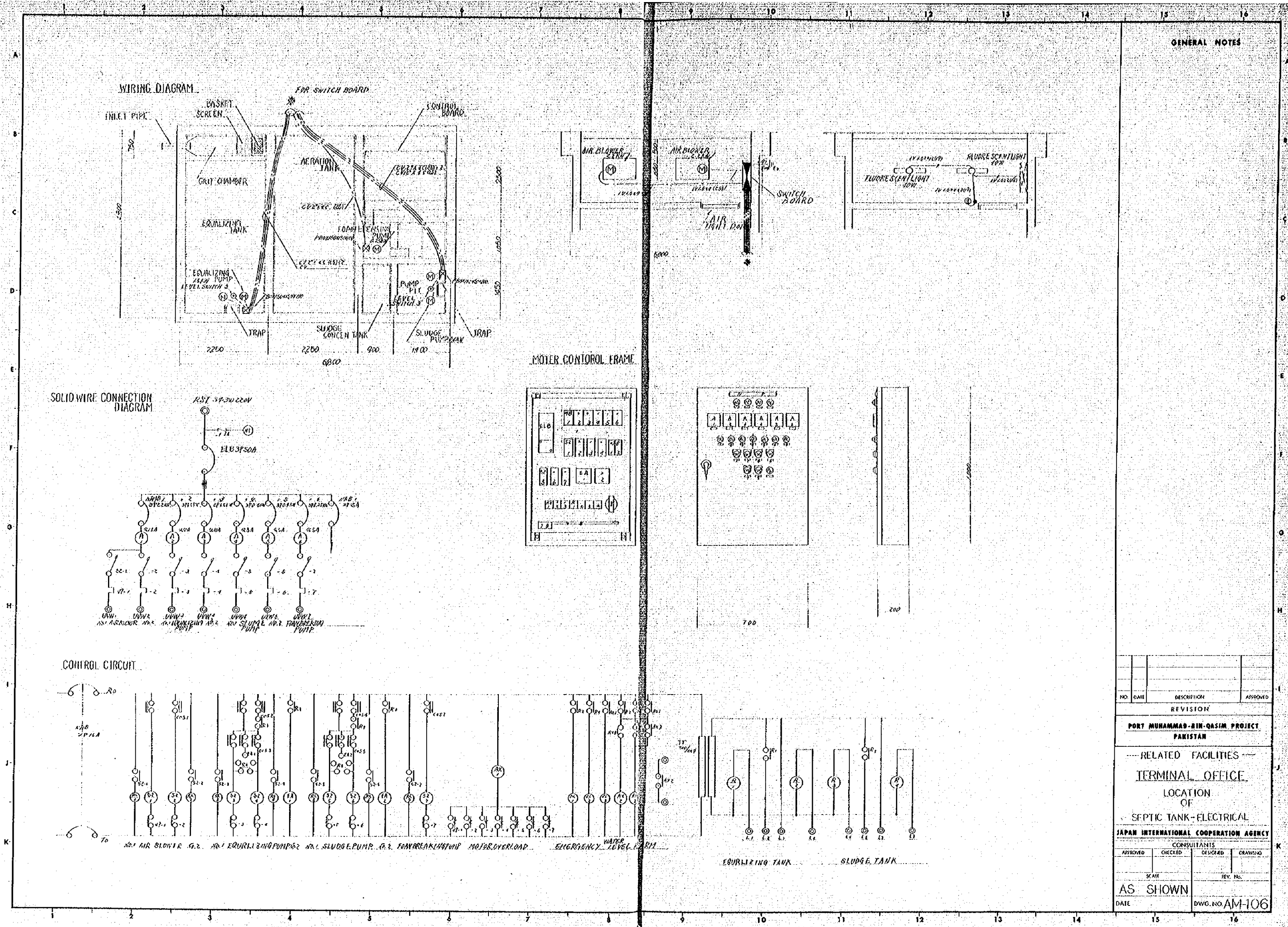
- AIR BLOWER → 200 mm Ø 24 mm x 22 mm → 2 SETS H.B. NO. 2
- EQUALIZING PUMP → 65 mm Ø 24 mm x 15 mm → 2 SETS SF-22
- FOAM BREAKING PUMP → 40 mm Ø 18 mm x 25 mm Ø 25 mm → 1 SET A-250-21A
- SLUDGE PUMP → 50 mm Ø 24 mm x 35 mm Ø 4 mm → 2 SETS G.A-100-21

NO.	DATE	DESCRIPTION	APPROVED
REVISION			

PORT MUHAMMAD-BIN-QASIM PROJECT
PAKISTAN

— RELATED FACILITIES —
TERMINAL OFFICE
 LOCATION
 OF
SEPTIC TANK DETAILS

JAPAN INTERNATIONAL COOPERATION AGENCY			
CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. No.	
1 : 40			
DATE		DWG. NO. AM-105	



GENERAL NOTES

NO.	DATE	DESCRIPTION	APPROVED
REVISION			
PORT MUHAMMAD-BIN-QASIM PROJECT PAKISTAN			
--- RELATED FACILITIES --- TERMINAL OFFICE LOCATION OF SEPTIC TANK-ELECTRICAL			
JAPAN INTERNATIONAL COOPERATION AGENCY CONSULTANTS			
APPROVED	CHECKED	DESIGNED	DRAWING
SCALE		REV. NO.	
AS SHOWN			
DATE	DWG. NO. AM-106		

